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## US NAVY SPECIAL WARFARE FORCES

## 1. INTRODUCTION

The US Nays Special Wurfne Command (NAVSPEWAR-COM) is the Navy's proponent agrees, for Special Operatons Forces (SOF) and is designated a Major Command (MACOM) on useal leol with the US Army Special Operatons Command (USASOC) and Air Force Special Operatons Command (AF-SOC) Like is therother service's proceid operatons commands, NAVSPECWARCOM is indovimate to the U.S. Special Operatons Command (USSOC).

NAVSPECWARCOM is tasked with manifime related special operations in support of Navy and Marane forces as well as the other services These missions include special mobile operations, unconventional warfare (UW), beach and coastal reconnaissance counterinsurgency (COIN), special tactical intelligenco collection, coastal and river interdiction, and foreign internal defense (FID). i a advise, train, assist and/or control friendly forces in the conduct of naval special warfare operations. These missions include such specialized tasks as special reconnaissance (SR), direct action (DA), combat soarch and rescue (CSAR), recovery, vessel boarding, search and seizure (VBSS), and beach reconnaissance and obstacle elearance in support of amphibious operations These missions principally focus on coastal and inshore areas, harbor and ports, but also include operations in inland waterways at well as missions executed ashore, usually contiguous with coastal areas They may, however, be conducted well mland There are four principal types of units tasked with execution of and/or support of these missions

# 2. NAVAL SPECIAL WARFARE UNITS

The key, and best known, Navy SOF element is the Sea-Air-Land Forces - SEALs The first SEAL teams were formed in 1962 as the Navy's contribution to America's growing counterinsurgency effort The former underwater demolition teams (UDT) were absorbed into the Seals in 1983. There are seven company at an SEAL teams (commanded by an O-5) These are comprised of ten special operations platoons The platoons have two officers (O-3 and O-2) and 14 enlisted men divided into two special operations sounds with one officer and seven enlisted, the basic planning element for loading into various watercraft Platoons are identified by phonetic letters within the team and squads by number. For example, 1/ECHO/SEAL 4 (1st Squad, ECHO Platoon, SEAL Team 4) Two or more platoons may be formed into SEA1 detachments to accomplish missions requiring more than one platoon and may operate independently of the SEAL team. The SEAL team also has a headquarters platoon with two officers (O-4 and O-3) and six enlisted men SEAL Team 6, tasked with a counterterrorism and special missions role, is organized somewhat differently. There are also a few small US Navy Reserve (USNR) (also known an Naval Reserve Force - NRF) SEAL elements that habitually train with active force SEAL teams

SEAU transes undertake a gruching 27-wesk Baue Underswa ter Domelitions/SEAL(BUD)S - Boue) To Course at Coornada. CA, where they become SCUBA qualified They are also failly transfer interconnaismenc, survellance, target acquistion, mail leafa radis and direct action maxims. SEAL transes receive transing in conbist training, sairval, ald ensibles, sabotage, unail array, patrolling, maividual and small unit tacks, close comba, na stagatol, first ad, and ensumenandors. Schecht enterheit in sepecificably transfer and single and domain All are statule and enserve additional amit greacher transmig. The Benning, eff. Orne attagion is need a statule variant Anny. Special forces courser, Arny Renger, freefall parachuran, and anger Forces courser, Arny Renger, freefall parachura, and Mich Jirk,

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5.56nm M16A1 earbane. 40mm M203 grenade lauucher, 7.62mm M60E3 machine gun, drifferent models of 9mm, MCP submachue guns. 12ga M29 sholpan, 9mm M9 pistol, and a vanous ty peo for surper rifles tucluding the 7.62mm M21 and 50-caliber M82A1 aud M500 aloug with a number of more sportalized. "evolve" weepons

The two SEAL Delvesy Weaked (SDV) teams are responsible for the operation of mail workerscheder (manusults) 7 two types are used The MK VIII correst two SVD ecrewanes and four SEAL programmers and the search workers the MK IX correst only programmers and the search workers and the MK IX correst only long MK VIII is naturaled for attachment to STA1 coarses for delves of SEAL to their targets of operational areas. This sumfler MK IX is operated by the SDV team to accomplish DA mussions that raised and the search of the STA1 coarses for MK IX is operated by the SDV team to accomplish DA mussions whose as sum-bits, a small homes, to project for attaching distant ways as sum-bits, a small homes, to project for attaching distant trapport is major the MK IX can also carry and Janues to MK 32 standard to machine used field as SDV teams to accomplish the trapport to any distant subsequence to the DD by the stant teams. The MK IX is standard to machine use during as SDV transmits and the stant coarse of the stant stant and the stant stant distant teams and the stant stant and the stant teams of the stant stant and the

There are six Sturgeon class SDV troop transports (still capable of operating as attack submarines) m service. The conversions were between 1982 and 1991 Two Ethan Allen class submarines were modified at autohibious transports between 1983 and 1988. The life expectancy of the USS Som Houston (SSN 609) and USS John Marshall (SSN 611) is into the late 1990s. These replaced the old dicael amphibious warfare submannes, USS Grayback and USS Waho. The modifications included removal of some ballistic missile launch tubes, conversion of others to diver air locks and storage compartments, and accommodations for 60-nlps SEALs. A removable DDS can be fitted to the decks of these submarines and tink-up with their hatches A DDS can carry one SDV plus be used to lockout large unmbers of divers while the submarine is still submerged as well as launch and recover inflatable boats. Three SDV troop transports and one amphibious transport are assigned in both the Pacific and Atlantic Fleets

SUVs can also be transported by converted utivity landing craftly hown as Advanced SLAL belower vessels (ASDV), of which three evar Three are modified 180 food Landing Craft, Unlines (LCU) An SDV platono has two officers and 12 emisted usen, qualified not only to operate and maintain the SVDs, but transid that SEAL sLikels the Palatona will be leading with an where from one to three SVDs. An SVD leave will have up to first operational systems are under development to induce the SLAL. Tactual systems are under development to induce that SLAL. Tactual (ASDPS) that ASDS, untended to replace the ML ville ville and (ASDPS). The ASDS, untended to replace the ML ville ville has to follow reg the SLAL isofore strange of the yields the SLAL SLASS. ADD development is that, as shore strange and yields the SLAL SLASS. ADD have a zeros of four Sxs of the 40-50 foot mini-pube will be purchand

The two USNR Helicopter Composite Squadrons (HCS or HELCOMPROV) are each equipped with eight HH-66H Scharkhelicopters (modified Blackharka). They are tasked with both truch restore and poscial warfare support rules. They are capable of semen-rescue, influence, excitization, and retupply missions SEALs rely, howevily on Air Force special operations surceful for support is well as Marine Avation Reinement Mercarvi 16 dOS Succed Operations Avation Reinment Higher commode, planning and appent organizations for heres in stroug with are controlled by Commander NAVSPECWARCOM (0-7) at Neral Amphabious Base (NAB) Coronado, san Dugo, CA. Directly under and co-heared with it is the Naval Special Warfare Center (NAVSPECWARCEN) reportible for SEAL elections and iterations. The Nava Special Warfare Development Group (NAVSPECWARDEVGU) is the cored at Free Context Atlance (FPCTCLANT), Dam Neck, VA. It is responsible for tactices and equipment develorm ent

Two Naval Special Warfare Groups (NSWG or NAVSPECWARGRU) (commanded by an O-6) provide command and control as well as support to the special warfare units statemed on the West and East Coasts These are roughly equivalent to an Army Special Forces Group A NSWTG can form task oreanized Naval Special Warfare Task Units (NSWTU or NAVSPECWAR, TASKU) to control deployed NAVSPECWAR forces. In effect these are small "task forces" comprised of elements drawn from within the NSWG. They operate similar to an Army Special Forces battation Forward Operations Base (FOB) providing command and control and preparation of elements for mission execution. Addiitonally, one or more Naval Special Warfare Task Elements (NSWTE or NAVSPECWARTASKELM) mm be formed to provide support to smaller detached NAVSPECWAR elements, such as a platoon. Three operate in a fashion similar to an Army Sneedal Forces Advanced Operations Base (AOB)

Four forward deploy of numeel? Not ad Special Werker Tak, stoputs (NSWTCC NASTEC/WARTASKGRU) provide pre-hortikity planning and coordination with other services in specific determs, minile in concepts in an Amory Special Operations Conment (ARSOC) Naval Special Warfare Units (NSWU or NASTEC/WARUNT), not to leconfisiond with the NSWTU are theter oriented support staffic and the to theater army Special Operations Support Commands (SOSC). These are principally, concerned with coordination and logistical support of deployed NASTEC/WARUNC forces.

#### US NAVY SPECIAL WARFARE FORCES

SEAL plotoons (reinforced by two additional men) habitually accompany. Manne Expeditionary. Units (MEU) (reinforced battalion landing team) and Marine Expeditionary. Brigades (MEB) (reinforced regiment) on their overseas deployments. Their principal mission in this case is recommassance in support of the amphibious farce

3.

### NAVAL SPECIAL WARFARE ORGANIZATION

Naval Special Warfare Command Naval Special Warfare Center Naval Special Warfare Development Group Coronado NAB, CA Coronado NAB, CA

Dam Neck, VA

NAVSPECWAR units based on the West Coast and oriented toward the Pacific basin and Southwest Asia are

Naval Special Warfare Group 1	Coronado NAB, CA
NSWG 1 Detachment 10	
NSWG   Detachment 11	
NSWG 1 Detachment 13	
NSWG 1 Detachment Kodiak	Kodiak, AK
SEAL Team 1	Coronado NAB, CA
SEAL Team 3	Coronado NAB, CA
SEAL Team 3 Detachment	Hawan (?)
SEAL Team 5	Coronado NAB, CA
SEAL Vehicle Delivery Team 1	Coronado NAB, CA
SEAL Vehicle Delivery Team	1
Det Hawati	Pearl Harbor, HI
Special Boat Squadron 1	Coronado NAB, CA
Special Boat Unit II (USNR)	Mare Is, CA
Special Boat Unit 12	Coronado NAB, CA
Special Boat Unit 13 (USNR)	Coronado NAB, CA
Helicopter Composite	
Squadron 5 (USNR)	NAS Pt Mugu, CA
Naval Special Warfare Unit 1	Guam

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Naval Special Warfare Task Group	
Seventh Fleet	Pearl Harbor, III
SEAL Element Western Pacific	Guam
Special Boat Detachment Western Pacific	Guam

NAVSPECWAR units based on the Fast Coast and oriented toward Latin America, Caribbean, Europe, and Africa are

Naval Special Warfare Group 2	Little Creek, VA
NSWG 2 Detachment 6	Dam Neck, VA (?)
SEAL Team 2	Little Creek, VA
SEAL Team 4	Little Creek, VA
SEAL Team 8	Little Creek, VA
SEAL Vehicle Delivery Team 2	Little Creek, VA
Special Boat Squadron 2	Little Creek, VA
Special Boat Unit 20	Little Creek, VA
Special Boat Unit 22 (USNR)	New Orleans, LA
Special Boat Unit 23 (USNR)	Little Creek, VA
Special Boat Unit 26	Rodman NAS, PM
Helicopter Composite Squadron 4 (	USNR) Norfolk, VA
Naval Special Warfare Unit 2	Machrihanish, UK
Naval Special Warfare Unit 4	Roosevelt Rds, PR
Naval Special Warfare Unit 8	Rodman NAS, PM
Naval Special Warfare	
Task Group Atlantic	Norfolk, VA
Naval Special Warfare	
Task Group Europe	Machrihanish, UK
Naval Special Warfare	
Task Group South	Rodman NAS, PM

SEAL Team 6 is under the operational control of the Joint Special Operations Command (JSOC) and tasked with counterterrorism and special aussions along with the Army's Delta Force Besides major training and support facilities at Coronado NAB, CA. Little Creek, VA and Dam Neek, VA, the Naval Special Warfare Command has developed support facilities at Pearl Harbor, H1 and Roosevelt Roads, PR.

SEALs and their supporting units have operated in Vietnas (1962-1972), Green and (1982). Forman GMI (1987-883), Pannas (1989-90), Gulf War (1990-91) and Somala (1991-93) as well a may or malter contingence, operations: They also participate in major exercises eich as: COMPA GOLD (Thatman), BRIGHT TAR (Leop.), OCLAN VENTIGE (Horson Rina), and TUER, Instanced on interced and and range of new sequences instances and in strength and avade range of new sequences.

4.

## NAVAL SPECIAL WARFARE SMALL CRAFT

Since different SPECBOATU has different primary missions, they are capaipped with different types of small crult SPECBOATU decisered to SFAL support and causaid parted and interdiction use the PB and SWCL. These declicated to reterine variare and SEAL support are equipped with the MATC and PBR Some units are additionally equipped with the MATC and PBR band' confissence to the Coast fourd from drug runners.

See Spectrer MK 3 and 4 Parcel Boars (PB) The al-Journam Sea Spectrer work elsegned as high-period vespons juliform for Nnal labour Warliner (NW) foreas. The last MK 3 were sesond upb parch and under the second second second second and upb parch and under instructions, and first apport aninors no large reserv, harbors, constal and open area any romants for up to fix day duration. They are equipped with complete secure communications and suffice search radie rythms plant day to find with second days and the second second security a share inform gun on the forward facts. a 20xm Detikion zenom in the port radie composite of the plant bease, plant a variety of

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AN OVERVIEW

weapons on the aft deck. These may include two 50-caliber M2 machine guns (on either aide), or a twin torpedo tube system or an additional 20mm cannon aft, or a marriane direct fire 8 taim mortar, which also mounts a 50-caliber machine gun

	MK 3	MK 4
Overall length	64 ft 10-3/4 m	68 ft 5 in
Overall beam.	18 ft 3/4 m	18 ft 3/4 m
Full displacement	82,270 lbs	99,000 lbs
Draft	5 ft I in	3 ft ] (n
Crew	4 5	
Passengers.	Limited	
Engines (shaft hp)	3 x 600 diesel	3 x 650 diesel
Propeller shafts	2	2
Speed	30 knots	30 knots
Range		

MK 5 Patrol Boat (PUB) The Navy has released a classified request for proposals for a new PB, of which 15 are needed Specifications require the capabilities to transport as EAL platoon, transportable in a C-5A aircraft, be about 80 feet in length, and capable of 40 knote. One contender is the Israeli Nupre Divisio MK II patrol boat.

Cyclone Coastal Partol Boat (PC) The Nays took delives or the first of 13 of the senel-build beam Murch 1993. They will replace the lower *Net Spectrum*, which are less capable in heavy statters The Cyclone can conduce operations for up to len du a sequepted with cataphete secare communications, nurfice statter index, and some yestem. These some two Cyclones MAS are change upon and the secare communications, nurfice statter have a sequepted with should effect due too 25mm MAS are change to an excepted with should be first from a single model. Fourse sugnated with the sometime same fam of surface so-entrice mastle notation.

#### US NAVY SPECIAL WARFARE FORCES

Overalt length	170 ft
Overall beam	
Full displacement	
Draft	
Crew	28
Passengers	10
Eugrnes (shaft hp)	diesel
Propeller shafts	2
Speed	35 knots
Range	2,000 nautical mile

River Radari Man Armored Toop Carrer (MARC) The al-Inanuma MAC to as designed for high-speed parton.interdistion, assault operations in rurers, harbors, and protected essault austiple communications sum. The crew/heop compariment is find with carean and K-su it holikase amore. The bow is finds with a hydrauliae samp for torop mention and extraction. Its Tai betters, hallow of hallow a sub-expension and extraction. Its Tai to the same that the state operation of the same trade of rorest and mixore shallow a sub-expension The law ArC to desarred in 17% framed to poorant are combination of M60 and M2 machine gains or MK. 19 MOD 2 spreade lauebert. Three MACT can be writed on a code a manoort.

Overall length.	36 ft
Overall beam	12 ft 9 m
Full displacement.	27,390 lbs
Draft	2 ft (1 ft at high speeds)
Crew	2 (more required for weapons)
Passengers	15
Cargo	4,400 lbs
Engines (shaft hp)	2 x 280 diesel
Waterici pumps	2
Speed	28 5 knots
Range	370 nautical miles

MK 2 River Patrol Boat (RPB) The RPB was developed as a high-speed, highly maneuverable river craft for use in contested The second secon

Overall length	31 ft 11-1/2 m
Overall beam	11 ft 7-1/2 m
Full displacement:	17,800 Ibs
Draft	2 ft
Crew	4
Passengers	6
Cargo	928 lbs
Engines (shaft hp)	2 x 210 or 280 or 300 diese
Waterjet pumps	2
Speed.	24 knots
Range:	200 nautical miles

Saa Fox Special Warfare Craft, Light (SWCL) The fiberglass hulled SWCL is a collapsible craft and the process of being phased out It mounts radios, but no navigation adds Armamein includes various combinations of 7.62mm and .59-caliber machine guns plus 4.90mm grenzed is suncher can be mounted

OveralJ Jength.	35 ft 11-5/8 m
Overall beam:	9 ft 10 in
Full displacement	26,000 lba
Draft	2 ft 10 m
Crew	3
Passengers	10
Cargo	500 lbs
Engines	1 diesel
Waterjet pumps	1
Speed	30 plus knots

#### Range

220 nutrical miles

Small craft used by SEAL teams include the RIB. IRIB, and IBS plus various commercial inflatables, commonly referred to as combat rubber raiding, craft (CRRC)

Rigid Infinitable Boar (RIB) The 24-foot RIB has a fober plass reanforced hull and nylon/hypaton/neoptene sponsons it features an inboard engine and center-mount of alcening sitiation. That small boar mount radar, na vigation, and communications sistems. It can be transported on a railer. A new RIB is un the process of boing built by Novamanne for an excerning lotal of 27. This 10 meter craft, will be able to their or sub seriormed at second us to 40 knot.

Overall length	23 ft 9 in
Overall baam	9.ft
Full displacement	7,390 lbs
Draft	A few inches
Crew	1
Passongers:	15
Cargo	2,800 lbs
Engine (shaft hp)	1 x 200 diesel
Propellers	1
Speed	
Range	70 nautical miles

Interiar Rigid Inflatable Boat (IRIB). The 30-foot IRIB has a fibrapilars reinforced hull and trevira polycester spontons coated with neopene and hysion. It leatures an unboard engme and aft-mounted steering statuon Thus small boat mounts radar, navigation, and communications systems. It can be transported on a trailer

Overall length	29 ft 6 in
Overall beam	10 ft 8 m
Full displacement.	14,700 lbs
Draft	A few inches
Crew	1
Passengers.	15

Cargo	5,000 lbs
Engine (shaft hp)	1 x 300 diesel
Waterjets	1
Speed	
Range	150 nautical miles

Inflatable Boat, Small (HBS), The HBS has a neoprete hull and floor It is fitted with a silent running outboard engine The HBS is easily rigged for water parachate drop or water launching from the rear of a hovening CH-46 or CR-53 helicopter with full squad outpoints decired on board

Overall length	12 N
Overall beam	6 Û
Crow	1
Passengers	8
Cargo	1.000 lbs
Engine (shaft hp)	1 x 7 5 gas/oil

Commercial CRRC used by the SEALs include the Avon 450 (15 R), 460 (15 R), and 570 (17 R), 2-Bird (15 R), and Zodiac F-470 (15 R). A choice of 15, 35, and 55 horse power outboard motors are available for these casi:

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### CHAPTER 1

# MISSION PLANNING PROCESS

## 1.0 INTRODUCTION

This chapter provides guidance for NSW mission planners. It includes discussion of a typical mission planning cyclo, the use and benefit of the phase diagramming system (including an oxample), and a contingency planning checklist.

## 1.1 THE MISSION PLANNING CYCLE

A typical mission planning cycle is illustrated in Figure 1-1 If may be necessary to modify the order or delete one of the individual steps depending upon the available time, the operational commander's orders, or the nature of the particular mission

### 1.2 THE MISSION PLANNING PROCESS

The mission planning process outlined in this section should be used as a general guideline and will require tailoring to fit individual missions

## 1.2.1 RECEIVE THE MISSION DIRECTIVE.

### 1.2.2 INITIATE A SECURITY PLAN:

- · Code name of operation
- Security classification
- · Cover plans/stories
- · Identify personnel
- · Security measures.
- · Formulate operational deception plan

Isolation facilities

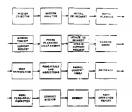


Figure 1-1. The Mission Cycle

# 1.2.3 ANALYZE THE MISSION:

- · Review target analysis check list
- Clarify exactly, what the task is (specified and implied).
- Determine operational control (OPCON) and tactical control (TACON) over detachment during all phases of the mission
- Determine if joint planning is required, and if so, availability of planning pubs such as Joint Operation Planning System (JOPS) Vol IV. Additional pubs which will be of value are JCS Pubs 2, 6, and 20 and NWP 11.

- Ensure specific Rules of Engagement (ROE) are clear and not ambiguous
- 1.2.4 PLAN THE USE OF AVAILABLE TIME (i.e., DRAW UP A TIME SCHEDULE).
- 1.2.5 SUBMIT AN INITIAL EEI REQUEST BASED ON MISSION ANALYSIS.

## 1.2.6 FORMULATE AN INITIAL PLAN:

- · Assemble patrol members and review tasking(s)
- · Study available intelligence
- · Make a thorough map/chart study.
- · Review potential onemy weaknesses
- · Identify enemy strengths
- Identify and assign relative values to the various elements of mission (i.e., surprise, speed, stealth)
- Consider limitations and special conditions regarding communications, logistics, support, communications security, movement, intel, and other requirements
- · Formulate several broad concepts of operations
- Identify assets (i.e., what support will be required and its availability)

## 1.2.7 GIVE MISSION CONCEPT.

- Ensure concept contains or covers.
  - " Variety present more than one option
  - Completeness who, what, why, when, where?
  - <sup>o</sup> Suitability plan(s) which accomplish the assigned tasks.

- <sup>o</sup> Feasibility plan(s) can be accomplished with assigned or requested assets
- ° Rules of Engagement.
- <sup>o</sup> Acceptability anticipated acceptable losses
- " Lamitations operational limitations of plan compared to strength of your detachment
- · Request DIRLAUTH with supporting units

### 1.2.8 REVISE PLAN, IF NECESSARY, BASED ON REVIEW OF MISSION CONCEPT.

- 1.2.9 PHASE PLAN/DIAGRAM THE MISSION TO IDENTIFY REQUIRED EEI, EEFI, REHEARSALS, TRAINING, EQUIPMENT, SUPPORT, AND POSSIBLE PROBLEM AREAS.
- 1.2.10 UPDATE EEI REQUEST IF NECESSARY.
- 1.2.11 SUBMIT SUPPORT REQUIREMENTS (AIRCRAFT, BOATS, FIRE SUPPORT, FREQUENCIES, CALL SIGNS, RESUPPLY, GASOLINE, ETC.).
- 1.2.12 ISSUE WARNING ORDER; BEGIN GEAR PREPARATION.
- 1.2.13 CONDUCT PRELIMINARY GEAR/PERSONNEL INSPECTIONS AND REHEARSALS.
- 1.2.14 UPDATE THE PLAN AS NECESSARY.

### 1.2.15 PATROL LEADER'S ORDER.

 
 1.2.16
 BRIEFBACK

 1.2.17
 FINAL IN SPECTION, REHEARSALS, AND BRIEF.

 1.2.18
 CONDUCT MISSION

 1.2.19
 DEBRIEF.

 1.2.20
 SUBMIT POST OP REPORT.

## 1.3 THE PHASE DIAGRAMMING SYSTEM

Provided are the essential term which should be developed from helphane daymaning optime daming mission planning. Note that any mission can be planned using this water be substituting beyond the standard problem areas for those used in the following orange it is essential that acch years to be entirally analy add protections to conduct the theme, schedule provide the term indexistic to conduct the theme, schedule provide the method of the standard terms of the schedule protection of the schedule term of the schedule provides of the schedule provides the schedule protection of the schedule terms of the schedule protection of the schedule terms of the schedule protection of the schedule terms of the schedule terms of the schedule terms are schedule terms for the terms of the schedule terms of the schedule terms of the terms of terms of the terms of terms of terms of the terms of terms

The phase diagramming of any mission may multily require its to eight hours of indensis conconstration and parameterining. This is econsmon to all who have minially used this system. After a poblem has been would discuss, how school be able to finish planning a mission on two to four hours. The real has to the entire process and a to system fill stration at the per-operational training process multiple systems of the strate here properties of the the process mode to system the constraints) to edimensite problem, back-and outputs to tune constraints) to edimensite problem. Such and a supportent, and describe process procession.

## 1.4 ORGANIZATION OF THE PHASE DIAGRAM

Divide the mission who logical, independent phases and verits Although each mission will have its own unange profile, most missions can be separated into the following sever phases pre-mission, mission, action at the objective, cvfltrition, extraction, and point missions. Figure 1-2 depicts an event breakdown of a tubber duek (CREC paradrop/logical range transit/swimmer meda interact mission with each phase broken down mito various events.



Figure 1-2. Phase Disgramming - Step Ona

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# 1.5 MISSION PHASES

The following are definitions of mission phases

- Pre-mission, Ends when the insertion platform departs with the element onboard
- Insertion, Ends when the element departs the insertion platform
- Infiltration. Ends when the element reaches the objective area
- Actions at Objective. Ends when the element departs the objective area
- Exclitation, Ends when the element boards the extraction platform
- Post Mission. Begins at the time of return to the isolation area

## 1.6 PHASE DIAGRAMMING

Phase diagramming is a method used to develop an operational plan. When complete, phase diagramming will

- · Confirm or deny the feasibility of a concept
- · Identify the most likely problem areas
- Identify a complete list of EEI/EEFI.
- Identify all necessary equipment, rehearsals and support

### 1.6.1 ANALYZE EACH EVENT AS FOLLOWS:

- Identify the three most likely things that can be wrong and three preventive or corrective actions (see Figure 1-3)
- a Identify the earliest and latest likely times for beginning the phase, and the earliest and latest likely times for completing the phase (see Figure 1-3) By tracking the aggregate of earliest/latest beginning/completion times, it becomes immediately ap-

#### MISSION PLANNING PROCESS

parent whether the mission can be completed in the available time.

### 1.6.2 CONTINUE THE ANALYSIS BY LISTING, FOR EACH EVENT:

- Necessary equipment
- Necessary EEI/EEFIs
- Necessary level of training/skills
- Necessars rehearsals
- Operational Security (OPSEC)
- Operational Deception (OPDEC)

## 1.6.3 PREPARE DETAILED LISTS.

After each plase has been doroughly analy, end, complete lines of necessary equipment and EED/EATEF can be drawn up for preparation, and the lists of necessary skills and rohearsals can be checked against the list of fungs that can go wrong (Step 2). If time is a critical factor. training and nebwards can be provinged in accordance with their rolationship to the list of things that are likely to go wrong (see figure 1-3).

#### EVENT II TRANSIT TO AO Step Two

#### EE1

Ses state/currents Weather/stability Enemy surface/subsurface/anr capabilities Tume/bearns/distance to tanget Enemy partoi-skihopping traffic Moon rise/set/phase Sun rise/set Enemy sonsori/capabilities

#### EEFI

Fuel duration Friendly elements in area Transit time

#### SKILLS

OBM Machanic Navigation Boat Maintenance/Boat Handling Experience in Long Boat Transits

## TRAINING/REHEARSALS

Practice CRRC Long Range Navigation

Figure 1-3. Event Analysis - Step Two (Sheet 1 of 3)

### EQUIPMENT

(Based on a 14 man platoon, will require additional equipment for 16 man platoon)

ORD Weapons as listed in Phase III Ammo as listed in Phase [1]

1st Lt CRRC complete (extra gas lines, bost compass, tool kil, paddles, towing bindles, patch kits, etc.)

Intel Maps/charts 14 compasses 2 binoculars

Comm/ 2 night vision devices ET

> 4 PRC-117 14 Motorola squad radios

Medical Field med kit

Personnel Life jacket/flare Mk 13/K-bar/cammied-up/ weapon/medical ku/E&E kt/compass/map (indrvidual)/ web gear/ammo

#### TIMING

Earliest start time.	1900
Latest start time:	2100
Earliest completion time	0300
Latest completion time.	0500

Figure 1-3. Event Anelysis - Step Two (Sheet 2 of 3)

1	THINGS THAT ARE	PREVENTIVE/
	LIKELY TO GO WRONG	CORRECTIVE ACTIONS
	1 OBM breakdown	1 Traned mechanic
		Bring tools and spare
		parts or spare motor,
		if space and time permits
	2 Navigational error	2. Study permanent
		geographical features and
		know tides, currents and
		wands. Take into account
		sea state Always steer to
		left or right of target so
		once landfall is reached
1		a direction to larget is
1		established
ľ	3. Run low on fuel or run	3 Run trials with a fully
ł	out of fuel	loaded boat in various sea
I		states to get exact fuel
1		consumption figures Take
1		enough fuel for a worst
		case scenario.
	4 OPSEC - Encounter enemy	4 Execute immediate
1	forces prior to mission	action drills upon contact.
1	completion	continue mission if
ļ		possible or F&E
Ì	5 OPDEC - Press corps	5 Avoid press, maintain
l	penetrates Naval base	cover alors
1	after mission	

Figure 1-3. Event Analysis - Step Two (Sheet 3 of 3)

# 1.7 PLANNING FOR CONTINGENCIES

The following is a list of situations that could negetively effect an operation. Some of these apply to every operation and should be planned for accordingly

## 1.7.1 CONTINGENCY CHECKLIST.

One must formulate alternate plans to deal with the following potential contingencies

- · Leunch or landing occurs at wrong position
- · Date or time of the launch is delayed
- · Late or early arrival at the objective
- Rough weather causes delay or cancellation of the operation
- Unpredicted tides/currents (tides or currents differing from those planned for the operational time period)
- Enemy contact (petrols, patrol boats, search lighta, sentnes, etc.)
- Discovery by local population (police, civilians, farmers, hunters)
- Craft and/or personnel separated or arrivo at objective at different times
- Targets have diminished/increased or changed position
- · More valuable targets are located
- · Extreme weather or climatic change occurs
- · One or more men become ill, mured, or die
- Craft capsizes, swamps, or is damaged beyond repair
- Element is captured by local civilians, police, or enemy forces

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- Member of element fasts to reach one of your RVs (rendezvous sites)
- · Lost anytime during operation
- · Lose radio contact with base and/or another element
- · Lose special equipment
- Planned resupply is a failure or cache is compromised
- · Must dispose of equipment
- · Escape and evasion plan must be initiated

## CHAPTER 2

# ESSENTIAL ELEMENTS OF INFORMATION

## 2.0 INTRODUCTION

A thorough intelligence analysis directed at the requirements of the proposed mission will include an intensive review of the Special Operations Intelligence Folder (SOIF), if a ailablo, and will require that new intelligence and updates be provided by higher headquarters antil the execution of the mission. If a SOIF is not available, the planners must immediately task intelligence support assets to provide an intelligence estimate based on the Essential Elements of Information (EEI) (Primary Intelligence Requirement (PIR) of from U.S. Army) list in Appendix A. Essonual Elements of Information (EEI) are divided into two emergories target independent and target dependent. Target independent EES are EEI which NAVSPECWAR forces would require regardless of the specific target in question. These EEI have been separated from the target dependent EEI to allow for more rapid processing of EEI submissions in the event of an actual mission assignment. Tho target independent EEI will be submitted immediately upon notification of mission tasking, even if the specific mission has not been identified This will allow the intelligence community to begin producing intelligence in support of the mission as early into the mission planning process as possible. The target dependent EEJ will be promulgated as soon as possible thereafter (i.e., once the specific target has been identified).

## 2.1 TARGET INDEPENDENT EEI

Target independent EEI's have been divided into the following four categories

## 2.1.1 ENEMY ENVIRONMENT.

## 21.1.1

## NATURAL OBSTACLES

- · Topography
- Meteorology
- Hydrography

## 2.1.1.2 MANMADE OBSTACLES

## 2.1.2 ENEMY ORDER OF BATTLE.

- Ground
- Naval
- Air
- Communications
- Electronic
- · Weapons

#### 2.1.3 SURVIVAL/EVASION/RESISTANCE/ ESCAPE (SERE)

## 2.1.4 MISCELLANEOUS.

## 2.2 TARGET DEPENDENT EEI

Target dependent EEI's have been divided into the following categories

## 2.2.1 IMAGERY AND GRAPHICS.

# 2.2.2 TEXTUAL DATA & SUPPORT MATERIALS.

## CHAPTER 3

## TARGET ANALYSIS

## 3.0 INTRODUCTION

Targets see not indicerommetely stacked They are part of an origit plan to detry on mosile system interfactions problem of the assigned massion which directs, as a minimum, the result detried and the protocoles of stack for proton is started on this massion, the Phrot Loader selects the specific system. Bland on this massion, the Phrot Loader selects that for more inflat prodemastic set which is considered the antick. For more inflat protocol and the start of the start of the set of the start of the set of the Fi Additionally, review the target and as the checklist in Appendix A 3

## 3.1 TARGET SELECTION

Target selection requires detailed intelligence, thorough planning, and is based on the following six factors (CARVER).

## 3.1.1 CRITICALITY.

A target is ontical when its destruction or dumage will have a significant influence upon the enemy's ability to conduct operations. Each target is considered in relation to other elements of the particular target system designated for interdetion.

### 3.1.2 ACCESSIBILITY.

A target is accessible when it can be infiltrated either physically or by direct or indirect weapons fire (if and when that particular target can be destroyed/damaged by indirect fire methods).

## 3.1.3 RECUPERABILITY.

A target's recuperability is measured in time (i.e., how long will it take the enemy, to replace, repair, or by pass the damage/destruction of the particular targets

## 3.1.4 VULNERABILITY

A target is vulnesable if the patrol has the means (i.e., explosives, weapons, manpower and expertise) to destroy or degrade the target

### 3.1.5 EFFECT ON POPULACE.

Will the mission elicit a positive or negative reaction by the en ilian populace? Will thus reaction have long term effects if friendly forces move into the area?

## 3.1.6 RECOGNIZABILITY.

Will the target be casely recognized by the patrol ' What features will assist in its identification'

## 3.2 TARGET SYSTEMS

A target system as a sense of interrelated elements which optimizers are a common purpose A target is one clement, an instillation, or an activity identified for attack twolk as a locomotre. A trans, a bodget, or a privon A target complex to numerous largett in the same general area such as a railway marshallarg yard an indiation oper dock fedition A target system may consist of an indiational system and ats sources of raw material, the rail, an indiation oper dock fedition A target system may consist of an indiational system and ats sources of raw material, the rail, at transported the source of power and enclosed of reso materials are transported. However, and the means by which the fourhout produces it transported to be user:

# 3.3 MAJOR TARGET SYSTEMS INCLUDE:

## 3.3.1 RAILWAY SYSTEMS.

33.11 Railroad tracks are canth metricined became in a land anot impossible to effectively gaurellong stretchen of track. Roling ureck my be simultaneously attacked with track intedicts to a loosening the monitany. Encoursing firbylates, offsetting track and using denoisence on special divises on curved actions of track as stockers to cause time denoisence, in a special metage indicates and equipment are usually inorded and any be nore difficult to stark.

3.3.1.2 Limited operations against tailway systems and related facilities are only harassment, therefore, widespread operations are needed to severely affect the enemy.

### 3.3.2 HIGHWAY SYSTEMS.

Damaged highways are easily repared and require less citizal in archist and killed labot hun milwy systems: Therefore, point schered for interdiction hould be in areas where the energy cannot easily re-establish movement by making a short deator. Since highways, have fiven' valenedde spots, does critical points will likely be havin's defended. When highways a cannot be destroyed traffice can be drurpted by successare combibets, real and damays much, booby trayer, naining, middirension of route taynt, o by spreading objects for puncting time: Ambanhes are conducted whon muchic terms in a stableb.

## 3.3.3 WATERWAY SYSTEMS.

The most critical facilities of waterway systems are ports, dans, canals, locks, and related repair equipment. They are usually well guarded since their destruction can disrupt water traffic for long periods. Waterway control and awvigational equipment such as sunal helps. beacons, uncorroway communications systems, channel markers and buoys can be attacked effectively. Sincing vessels in restricted channels, drupping bridges in watervas virestutes index, and destroy me lovees can block watervas in traffic Bocause of security and the amount of explosives required, do stroying a dam will often be beyond the capability of small units A lesser degree of damage (i.e., destroy floodgates, slutee gates, etc.), is an option

## 3.3.4 AIRWAY SYSTEMS.

The energy's military (commercial annue) vy stems can be disrupted by interdicting antifolds, parked anrendt, and related faculitors Terminals, hungars, tepart schops, field depots; radiar and radio mavgation controls, lightmg, communications, and deferse systems are targes: Elimansian (fight and ground, personnell s side an option Woopons may be av niable to attack and destroy low flying averaft.

### 3.3.5 COMMUNICATION SYSTEMS.

Widelp durpersed communication is seens prosent excellent targets Cutting telephone wares, damaging telephone terminals, distributing microsive cantennas, or detroying transmitter suutily results in degradation of communications Alternate and emergency means of communications are usually an silable. however, destinction of any part of a communication system creates an overlead on remaining finalities.

### 3.3.6 POWER SYSTEMS.

Electrical power nets can be interdisciol by destroying crosscountry or local high termson lines: Disstribution power lines located in reactor areas, which would make repair(replacement) good targets. Substations, aldowigh critical, can be bypassed in a relatively, short line by improvised wrining interdiction of power nets can be accomplished by desnoying power generating stations and related exument.

TARGET ANALYSIS

## 3.3.7 WATER SUPPLY SYSTEMS

Water systems supplying industry can be disrupted by attacks against reservoirs, pipelines, and purification plants

### 3.3.8 FUEL SUPPLY SYSTEMS.

Attacks against an enemy's fuel supply system have far-reaching effects on his economy as well as this ability to conduct and support mittary operations. Surface and underground fuel storage tanks, depots, pipelines, refueling systems for tank mucks, rait tank cars, intenport volucies, and vessels are all good targets

## **CHAPTER 4**

## MISSION CONCEPT

## 4.0 INTRODUCTION

Once musion and target analysis have been completed, the Paral Lader thould formalise the basic concept of operations prove to attaining his detailed plasmag. The Paraol Lader presents the Operational Commander with loss concept. This permits the studies refinements to the concept prove to his final musion plasing. At his is and a presentation of the Paraol Lader's concept of musion assessments, general values of the Paraol Lader's concept of musion assessments, general values of the Paraol Lader's concept of musion assessments, general values of the Paraol Lader's concept of musion assessments, general values than specific destifu value Paraol Lader though query the Operanoual Commander concerns, then

## 4.1 MISSION CONCEPT (FORMAT)

Upon completion of initial planning, a message is sent in the following format to the Operational Commander (if not co-located) to allow for coordination of the mission.

A Mission. Mission statement taken directly from the mission directive

B Insertion. Method, time, equipment, and support required

C lafiltration.

- · Method, time, and equipment
- Route to target, i.e., beach landing site, DZ or water DZ, LUP's (Lay Up Points) en route

D Execution. (actions at objective)

- · Type of action at the objective
- · Method of reconnaissance of targets
- · Ordnance/demolitions to be used
- · Security during action at the objective
- Action upon completion of target execution
- · Preplanned fire support plan

E Exfiltration.

- · Method, time, equipment and support required
- Route from target
- · LUP's en toute

F Extraction. Method. Time, equipment and support required

G Alternative Actions. Plan for rendezvous of element and subsequent action in case of compromise or escape and evasion.

H State Assumptions. (i c., infil/exfit platforms available)

I State Sapport Requirements. (i.e., aircraft, fire support, etc.)

J State Operational Limitations.

## 4.2 RULES OF ENGAGEMENT (ROE) CONSIDERATIONS

The Patrol Leader must know precisely what the priority of the mission is before departing isolation, in terms of

A 1s the mission continued or aborted if

 Suspected compromise occurs by civilians or military.

#### U.S. NAVY SEAL

- · Known compromise occurs by civilians or military
- · Contact has been made and broken
- · POWs/dctamees have been taken
- An indigenous guide refuses to continue at some point in the patrol.

B Degree of aggravation among the local populace is acceptable

C Primary target has been altered or degraded

D. What is highest priority: remaining covert, clandestine, or taking out target regardless of cost?

E Alternate targets/mission. Are there secondary missions in case primary cannot be fulfilled? Are there higher priority targets/minitions of opportunity, which may take priority over assigned mission?

## CHAPTER 5

## WARNING/PATROL LEADER'S ORDERS

## 5.0 INTRODUCTION

This chapter discusses the use of both the Warmug Order and the Patrol Leader's Order (PLO). It identifies the preparatory intent of both orders while demonstrating the greater level of detail required to issue an effective PLO. Format amplies for both orders are included in each respective section

## 5.1 THE WARNING ORDER

The Warning Order is to warn the patrol members of an impending mission and to organize their preparation for that mission. The format outland below overs the information necessary for a warning order. The detail covered in each section is daterained by the Patrol Leader to ensure proper understanding by his patrol.

## 5.2 WARNING ORDER (FORMAT)

A Situatioa: Brief statement of enemy and friendly situations

B Mission: State in a clear and concise manner the mission of the patrol (use the tasking message as your basis)

C General Instructions:

 State the general and special organization to include the element or the team organization and the individual duties. For each person state

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- · Position or primary responsibility
- Weapons, ammunition and demolition material (type and quantity) to be carried
- · Assignments to special detachments or teams
- · Special indexidual equipment
- Assignments for preparing platoon equipment (type, quantity, and expected operational requirements)
- 2. The uniform and equipment common to all, to include
  - · Type of uniform
  - · Civilian, deceptional clothing, or camouflage
  - · Web gear
  - · Escape and evasion gear
  - Footwear
  - Rations
  - Water
  - Sleeping gear

3. Weapons, ammunition, and equipment each member will carry

4 Chain of command.

5. A time schedule for the patrol's guidance on-

- · Drawing equipment
- · Test firing of weapons
- Muster(s)
- · Patrol Leader's order
- Support personnel brief
- · Departure.

#### WARNING/PATROL LEADER'S ORDERS

6. Time, place, uniform, and equipment for receiving the patrol order

7 Times and places for inspections and rehearsals,

**D** Specific Instructions:

1. To subordinate leaders

2. To special purpose teams or key individuals.

## 5.3 RECOMMENDED BRIEFING ASSIGNMENTS

Although one should be capable of writing the warning order alone, it is botter to involve the platoon in the process. One needs to review inputs, and their research will save considerable time Recommend the following assignments:

- a Situation/graphs/charts
- b Dive brief
- e Jump brief
- d Cast brief
- e. Navigation
- f Communications plan
- g. Medical plan
- h Escape and evasion plan

Intelligence Representative Diving Supervisor Jumpm aster Castinatier Navigator (Pointman) Communicator Corpsman Intelligence Representative

## 5.4 PATROL LEADER'S ORDER

The Patrol Leader's Order (PLO) is used to pass the delated plan to those lasked with execution and selected othern who need to know Phase diagramming is the preferred method used to develop operational plans leading to issuance of a PLO. The success of an operation may be directly attributed to the quality of the orders the Patrol Leader assess for the operation

## 5.5 PLO SEQUENCE

A set PLO sequence is used to ensure that

- All relevant information is included.
- · It is logical.
- · It is clear and concise
- · It is easy to follow for taking notes
- · It is easy for recipients to quickly grasp all details

## 5.5.1 THE FOLLOWING FIVE PARAGRAPH SEQUENCE IS USED:

- Situation. Hydrographics, topographics, weather, and intelligence data. What is going on now and davelopments which have led up to the present situation
- a Mission. What is the task?
- · Execution. How will task be performed?
- Administration and Logistics. Administrative requirements for the task
- Command and Signals, Command and communications aspects.

## 6.6.2 BAD PLOS.

If the recipients of your orders know why the plan was made, what the intent is, how, when, and where to carry the orders out, and what part the individuals are going to play, your orders will be successful. Bad PLOs are characterized by.

- Confusion
- · Lack of confidence in you or your plan
- · Failure to carry out the task.

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WARNING/PATROL LEADER'S ORDERS

## 5.6 PRE-PLO CHECKLIST

Prior to the arrival of the PLO recipients ensure that

- The location of the brief is prepared (seating, boards, lighting, etc.).
- A model or sand table of the objective is made up, when possible.
- Maps, charts, air photos, and other aids are svailable. They should remain out of sight until they are presented.
- \* Set security in the briefing area
- · Conduct a muster.
- Seat all the personnel in a logical sequence (e.g. swm pairs, assault groups, support personnel.etc.)
   no one should be allowed to lie down, sit in the back of the room, etc
- Ensure that all personnel have the necessary matenals required to receive the orders (e.g., pencil and paper)

## 5.7 PRESENTATION

Ability to give a good Parol Leader's Order depends upon subject knowldge and proteinistion techniques. Consider yourself a salexnan while giving your PLO. When firshed, everyone should be "sold on the idea." Remember, PLOs are orders and not a planning conference nor a sine to debate tactical options If you do not know the answer to a question, addnit the DN ONT BLUFF.

## **8.7.1 BRIEFING TECHNIQUES.**

Present the PLO clearly and concisely, ensuring that

· All headings from the PLO card are given

- State that questions will be taken after each major section (i.e., situation, mission, execution, administration and logistics, command and signals).
- State the mission twice
- State all coordinates twice (other than in the mission which is given twice anyway)
- Use a pointer for charts, models, and photographs When necessary, have someone assist by pointing as you brief
- Synchronize watches at the end of the PLO, then very generally summarize plan and allow time for all personnel to consider the orders
- Take questions from the members of the group to help clear up points of confusion
- \* Ask confirming questions

## 5.7.2 PLO INTRODUCTION.

- A Muster
- B Sot accurity
- C Time check

D Warning order review (ensure all assigned tasks have been completed)

- E Mission (brief statement including reason for the tasking)
- F Chain of command and description of duties

WARNING/PATROL LEADER'S ORDERS

## 5.8 PLO FORMAT

## 5.8.1 SITUATION.

### A Weather

- Visibility
- Wind
- Weather
- Temperature
- Procipitation
- · Cloud cover
- · Water temperature
- · Sun rise and set
- · Moon rate and set
- Tides
  - ° Low\_\_\_\_\_
  - ° High
- Current
- Surf
  - \* Height\_\_\_\_\_
  - ° Penod \_\_\_\_\_

### B. Terraia

- Type of terrain
- · Relief
- · Vegetation
- · Density of vegetation
- · Cover
- · Concealment
- · Roads
- · Rivers, canals, streams on routes

- · Clearing for LZ's
- Population concentrations
- · Enemy installations on routes
- · Obstacles (swamps, bogs, chiffs, etc.)
- · Sustability for radio transmission
- · Overhead canopy
- · Beach
  - ° obstacles
  - ° gradient
  - ° current
  - ° kelp
  - ° width/depth of beach
  - ° type of sand
  - \* trafficability
  - " beach exits
  - \* hinterland vegetation
- · Drinking water availability
- \* Aerial photos/maps available
- C. Enemy
  - · Identification
  - Location
  - Activity
  - · Strength
  - · Clothing
  - Weapons
  - · Emplacement/fortifications
  - · Warning systems
  - · Domestic animals
  - · Booby traps or mines

#### WARNING/PATROL LEADER'S ORDERS

- · Estimate of action on contact
- · Routes, modes, and times of travel
- · Enemy force activity/routine

#### D Friendly

- · Transportation available
- · Fire support available
  - \* how much
  - ° what kind
  - ° reaction time
  - ° accuracy
  - ° spotting method
  - \* reliability
- · Resupply sources available
- · Other friendly patrols
  - · how many
  - ° where
  - <sup>o</sup> identification
  - \* mission
- · Mission of next higher unit
- · Guide availability

#### E Target

- Location
- Obstacles
- Natural defenses
- Illumination
- · Avenues of approach
- · Best method of finding target
- · Number and types of structures

F Other

- · Civilian attitude toward U.S. military
- · Economic situation of population
- Education/cultural factors
- Religion

**G** Reliability of Intel Source

## 6.8.2 MISSION:

What the patrol is going to accomplish and the location or area in which it is going to be done

## 5.8.3 EXECUTION.

- A. Overnii concept
- **B** Other Missions

C. Coordinating Instructions

- · Titue schedule (WO)
- Primary insection
  - <sup>0</sup> time schedule
  - <sup>o</sup> location
  - ° method
- · Positions in insertion platform
- · Primary approach route
- · Departure for friendly areas
  - ° identification
  - location
  - ° method

#### WARNING/PATROL LEADER'S ORDERS

- Prominent terrain/mammade features along approach route
- · Organization for movement during approach
- · Actions at dangar areas
  - ° rivers
  - ° roads and paths
  - ° open areas
  - ° built-up areas
- · 9 Rallying points
  - <sup>6</sup> IRP (Initial Rally Point)
  - \* ORP (Operational Ralh Point)
  - ° others
- · Actions at the objective area
- · Organization for movement during exit
- · Primary exit route
- Prominent terrain/manmade features along axit route
- · Re-entry into friendly areas
  - ° identification
  - \* location
  - \* password
  - ° signals
- Primary extraction
  - \* tame window
  - ° location
  - ° method
- · Positions in extraction platform
- · Debriefing

#### **D** Atternate Plans and Contingencies

- Alternate insertion/extraction
  - a insert
    - (1) time window
    - (2) location
    - (3) method
  - extract
    - (1) time window
    - (2) location
    - (3) method
- Alternate routes
  - <sup>o</sup> approach
  - loro °
- · Drop dead/turn around times
- · Actions on enemy contact
  - " ambush (sound off, return fire)
    - (1) front
    - (2) flank
    - (3) rear
    - (4) on insertion/extraction
    - (S) when patrol is split
    - (6) crossing stream or road
    - (7) in boat/helo/CRRC/vehicle
  - ° casual contact
  - \* meffective/random fire
  - <sup>o</sup> booby traps
- · Handling wounded/dead
- · Escape and evasion plan
- · Other

## 5.8.4 ADMIN AND LOGISTICS.

- A Rations/water
- B Arms/amme (WO)
- C Uniform and Equipment (WO)
- D Special Equipment (WO)
- E Resapply Plan:
  - Time \_\_\_\_\_
  - Source
  - · Supplies
  - · Signals
- F. Hauditag Wounded
- **G** Handling Prisoners
  - · Search. separate, silence, speed, safeguard
  - · Recain all stems found
  - · Field interrogate
  - · Life jacket
  - · Handling instructions

## 5.8.5 COMMAND AND SIGNALS.

- A Hand Signals
  - · Stop
  - Set permeter
  - Danger arca
  - Head count
  - Pace
  - Enemy

- Friendly
- · Hear something
- See something
- OK
- · Get down
- · Speed up
- Slow down
- · Open interval
- · Manmade structure
- · Boobs trap
- 17. Rally
- Road
- · Objective
- · Get on line

#### **B** Radio Commanications

- · Frequencies
  - ° primary
  - secondary
  - ° admin
  - emergency
- · Call stgns
- · Codes/code words
  - ° insert
  - ° extraction
  - ° shift frequencies
  - ° contact
  - ° medevac
  - shore bombardment/artillery support
  - air support

#### WARNING/PATROL LEADER'S ORDERS

° cease fire

- Authentication plan
- · Time/type of reports
- C Challenge and Passwords
- D Lost Comm Plan
- E Position Marking (Day and Night)
- F Enemy Position Marking
- G. Command
  - · Chain of command
  - Location of Leaders
    - \* during insertion/infiltration
    - ° in patrol
    - ° in danger areas
    - at objective
    - \* during extraction/exfiltration



## CHAPTER 6

## BRIEFBACK

## 6.0 INTRODUCTION

A briefback is a detailed brief given by the Patrol Leader, and if required, key members of the patrol, to the Operational Commander for the purpose of demonstrating to him that

- The operational plan is well thought out and complete
- The members of the patrol are familiar with the plan and understand their role in the operation.
- · The plan will accomplish the assigned objectives

A brocheck is given near the end of the planning cycle, after the entire plan has been developed. The neare location of the briefback in the planning cycle, as well as the format and amount of detail required, will depend upon the Operational Comm inder The following format is an example of a distailed briefback. The beef has been divided into rections and may be given by various members of the partor. This is a method had may be used to accomptible the objectives stated above.

Brießbacks may or any not be required depending on who the Operational Commander is, where he is located relative to the placeon, and how much time is evaluable protor on sincen accention Additionally, the situation may dictate a berd back lating from 10 minutes to over an hour. The placeon commander is provided the following information is order to familiarize himself with the biretback

## 6.1 BRIEFBACK (FORMAT)

### 6.1.1 SITUATION/MISSION -Briefed by Patrol Leader.

- A Classification
- B Overall situatiou any changes or updates from target folder
- C Missian as stated by tasking (state twice)
- D Parpose.
- E Assumptions and operational limitations

### 6.1.2 INTELLIGENCE -Brief threat to detachment.

- A Area of operations.
  - · Weather
    - <sup>o</sup> Existing situation. Include light data and cimatic information or a weather forecast, significant to the mission.
    - <sup>a</sup> Effects of the weather on the friendly situation to include effects on reaction time and courses of action.
    - <sup>6</sup> Effects of the weather on the friandly situation to include effects on personnel, equipment and actions.
  - · Terraun.

Relate the following factors to the mission and explain the effects on both the enemy and friendly situation.

- ° Observation and fields of fire
- ° Cover and concealment.

- · Obstacles (manunade and natural)
- <sup>o</sup> Key terrain features
- <sup>o</sup> Avenues of approach available to both enemv and friendly forces
  - High speed routes to infiltration. target and exfiltration areas
  - (2) Effocts on enemy reaction time and ETA for each route.
- Other characteristics, include only the information which may have an effect on the mission (i.e., transportation systems, by drography, communications systems, etc.).

B Enemy situation. The general description of the enemy situation to include details of enemy forces which may effect the mission Be concise

- · Disposition (reference an overlay)
- · Composition and strength
- Commuted forces and reinforcements Compute enemy reaction time to the objective areas, LZ/DZ/BLS, and the rally points. Relate this information to the time schedule.
- Other enemy capabilities (tactical air aupport, air movement aircraft, CBR capabilities, RDF equipment, etc.).

#### C Friendly situation

- D. Other intelligence factors as they relate to the mission.
  - Recent and present significant activities of the envilian populace (curfews, population control measures, etc.).
  - Pecultarities and weaknesses which may affect the mission personnel, intelligence, operations, com-

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bat service equipment, civil-military operations and personalities.

- EEI
- · Intelligence reports, as required
- · Map coverage.
- Counterintelligence measures.
- Estimates of guerrilla forces and underground organizations include the following disponition, composition, capabilities, recent and pretent sigmificant activities, peculianties and weaknesses strength, leadership, morale, and security messures.

## 6.1.3 GENERAL OVERVIEW,

- A Concept of operations.
- B Unit organization and chain of command.
- C Personnel Responsibilities.

## 6.1.4 INSERTION METHOD.

### 5.1.5 ROUTES.

- Infiltration
  - <sup>o</sup> Primary.
  - <sup>o</sup> Alternate.

Exfiltration

- ° Primary
- ° Alternate.

## 6.1.6 ACTIONS AT THE OBJECTIVE -BRIEFEO BY THE PATROL LEADER.

- A Target orientation.
- B Target analysis
- C Method of attacking target.
- D Alternate plans
- 6.1.7 EXTRACTION METHOD.
- 6.1.8 RENDEZVOUS/EVASION AND ESCAPE PROCEOURES.
  - A. Rally points and rendezvous plaas.
  - B. E&E plan for all phases of the operation,

## 8.1.9 COMMUNICATIONS.

- A. Equipment.
  - Type
  - · Quantity.
  - · Comn: plan.
- C Lust comm plan.
- D. Internal communications.
- E CEOI considerations.

## 6.1.10 MEDICAL.

A Health status of detachment.

- · Shots up to date
- · Medicinal requirements
- **B** Medical training of detachment

C Precautions/preventative measares

- D Handling of injared
- E. Nearest friendly medical facility,

#### 6.1.11 CLOSING STATEMENTS -BRIEFED BY PATROL LEADER.

- A Readiness of detachment.
- B Ouestions.

C Classification.

## 6.2 BRIEFBACK PRESENTATION

A briefback presentation should be prepared to fast about one hour, with about forty manufes devoted to briefing various phases and about twenty manufes for question/answer and discussion Barcfback presentations should include the following

A Briefback Packet. Present Operational Commander and the personal present with a packet of your final plan, mcluding plazo dragrams. The packet should be neatly written or byped double-spaced in large scorpt and easy to neat The brief should follow along with the packet, allowang each perion to read the brief thigh pomps, each bangheadhead usaily write down notes or questions. A copy of This packet will remain with the Operational Commander and Musion Coordinator. Should

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questions arise concerning the extraction plan, RV plan or other crucial phases of the mission while the platoon is in the field

B Visual Aids. Key visual ands should be uncluded in the brefback packet. The only remaining necessary visual aids are maps and pictures of the AO from small to large cale and a general time schedule. Such visual aids should be referred to a number of times during the course of the brief.

C Purpose of Mission. Briefly explain the significance of the mission to future operations (e.g., how the radar installation you are disabling will allow a follow-on air strike).

D. Situation Briaf. This brief should highlight the natural disadvantages and enemy strengths the patrol will avoid and, conversely, the natural advantages and enemy weaknesses the patrol will exploit.

E. Assumptions. State the areas where key intelligence was svallable and the logreal assumptions made based on the intelligence that was available

F. Executian Decisions. With every phase of the operation, briefly explain what the Patrol Leader is doing and key decisions expected during the operation

G Operation Weaknesses. Every operation has a weak phase or phases identify these phases as such, while clearly outlining precautions taken and back-up plans to minimize chances of failure

H Detailed Plans. As a rule of thumb, brothacks should brief the platoon's plans in general and coordinated trapport requirements in detail (e.g., brief where and when belicopter pickup required, not how the pairol will sit in the help) Detailed platoon plans should be covered in the PLO during solution

 Insertion/Extraction. Alternate RV plans Those should be planned and coordinated in detail and simply briefed (tune, place, signals and method).

J Infitration/Exfitration Modes. These should be planned in detail and samply briefed For example, the exact course(s) and sening arrangement need not be briefed for a CRRC infiltration, but highlights such as overall distance, bestworst speeds and anticipated full consumption should be briefed

K Time Line/Phase Diagram. Phase diagram should be included in the briefing packet and should be used during brief and execution phase. Emphasize key phases, alternatives, drop dead times and related information.

L. Commanications. Include a complete CEOI but brief only the highlights. Also include a "no comms" plan of action

M Question and Answer Session. As discussed, brief the highlights but have all the details of PLO available should quertions arise

N. At the Concinsion of the Briefback:

· Security.

Upon conclusion of brief, collect all notes/briefing material including all briefback packets and leave them with Mission Coordinator or Operational Commander

· Sensitive Equipment.

Serial numbers or copies of Forms DD1149 for weapons, radios and other sensitive equipment should be left with the Mission Coordinator or Operational Commander prior to departure on the mission

## CHAPTER 7

## POST EXERCISE/OPERATION REPORTS AND INTELLIGENCE DEBRIEFS

## 7.0 INTRODUCTION

All Post-Exercise/Operation reports are to be prepared in accordance with the following format.

## 7.1 POST-EXERCISE/OPERATION (FORMAT)

From:Officer-m-Charge, Platoon. SEAL Team

To. (Operational Commander)

Vis: (Chain of Command)

### Subj POST-OPERATION REPORT FOR

#### Ref.

Encl. To include but not limited to.

- · Activity participants
- · Schedule of key events
- Details on any subject which the writer wishes to treat in depth (e.g., proposed new procedures, details of a certain aspect of an operation, analysis of OPAREA, etc.)

#### POST EXERCISE/OPERATION REPORTS

- Comments and recommendations section from the past after action report for this activity. This will provide the reader with a perspective of the evolution being conducted, whether recurring problems limit it value, and whether there is an upward or downward forced in the action of the training.
- TIMS/EPS Abstract
  - <sup>o</sup> Background.

Key references and events which had a sigmilicant impact on the activity and its outcome

° Summary.

A summary of what happened This should be brief. Items that the writer believes warrant detailed treatment should be dealt with in an enclosure

- Comments and Recommendations by Topic
  - (I) Comment. As appropriate.
  - (2) Recommendation. As appropriate.
  - (3) Action If the commont warrants a recommendation, this subparagraph should identify who the writer bebeves should take action on the recommendation

## 7.2 INTELLIGENCE DEBRIEF GUIDE

The enclosed general inseligence debrefing guide should be reviewed by the Parol Leader prior to an operation in order to enable intu and other members of the patrol in collect needed intelligence An intelligence debrefing will normally be conduced within a firsh hours of the completion of the operation. Because this is a general antiligence debriefing, some of the toppet discussed mey or may not be applicable to your operation.

## 7.3 DEBRIEF GUIDE (FORMAT)

- A Route and outline time frame.
- B Task required and details of how and if accomplished
- C Contact
  - · Where and when and who fired first
  - · Enemy strength.
  - Description race sex dress equipment weapons - any known faces - ranks,
  - Action what they were doing direction of movement - reaction to contact.
  - Casualties own men what happened/what was done with enemy bodies
  - Evidence recovered documents equipment weapons, etc.
- D Sighting Same as for a contact but in addition
  - · How many pairel members sighted
  - \* What details were seen
  - · What evidence was left of what you were doing.
- E Spotturgs, Relevant headings of contacts
- F Tracks
  - · Location and direction.
  - Age
  - · Number of personnel using trail
  - · Estimated destination/origin
- G Asrcraft/ships/vehicles
  - · Where and when.
  - · Direction of heading

#### POST EXERCISE/OPERATION REPORTS

- · Altitude/speed
- Number.
- · Identification.
- Miscellaneous.

#### H Camps found

- · Location and description of terrain
- Size
- · Enemy strength in it or using it
- · Radio sets/aerials.
- · Enemy activity.
- · Structures type, number, age
- · Fortifications, booby traps, dug outs, etc.
- Obstacles
- · Sentry arrangements and warning signals
- Possible escape routes and approaches direction of
- · Food dumps in camps
- · Weapon and ammo dumps
- · Printing presses
- Documents
- · What was done to the camp
- Miscellaneous

#### I Supply dumps found

- Location and time of discovery
- Contents.
- Condition.
- · How concealed.
- · When last visited.
- Age.

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- · Added to since first laid down
- · What was done to the dump
- J Cultivation arcas
  - Location
  - · Size and shape
  - · Any steps taken to camouflage at
  - · Type of crops
  - Age
  - · When last tended
  - · Any signs of habitation in area
  - · Any tracks
  - If near native settlement estimate excess over local demand
- K Local people (from known location)
  - Location.
  - · Village of ongan.
  - · Name of tribe and headman
  - Number
  - · Friendly
  - · Contact previously with armed forces.
  - · Moved recently. If so, why,
  - · Any information given.

L Topography.

- · Intel brief accurate. If not, what were inaccuracies
- · Map accurate. If not, what were inaccuracies
- If air photos used, was the interpretation correct and useful.
- · State of tracks, if used

#### POST EXERCISE/OPERATION REPORTS

- · Had tracks been recently used
- · Any other tracks or game trails found if so, where
- Rners
  - ° depth, width and speed
  - <sup>D</sup> bridges
  - ° fiords.
- Sca
- ° sca state
- ° currents
- tidal range, etc.
- · Water points.
- · Laving up points (LUP)
- M Equipment
- N Rationa
- O Morale/welfare.
- P Health

Q Security (i.e., if not sighted by enemy or locals, any traces of lost equipment left behind which might be found later - if sighted, was your position or action likely to indicate future or other friendly activity)

- R Administration;
  - Did you have adequate preparetion time and facilities
  - Any comments on the support from base during the operation.
  - · Am equipment lost.
  - 4 Anyone not likely to be fit for unmediate further employment.

## APPENDIX A

## NSW INTELLIGENCE

## A.1 TARGET INDEPENDENT EEI -ENVIRONMENT

## A. 1.1 OBSTRUCTIONS/CONSTRUCTIONS

#### A Natural Obstructions

- · Topographic EEI
- Meteorological EEI
- · Hydrographic EEI

#### **B** Maamade Coastructions/Obstructions

## A.1.2 ORDER OF BATTLE (OOB)

- A. Ground OOB
- B Naval OOB
- C. Air OOB
- D Communications OOB
- E Electronics OOB
- F Weapons OOB
- A.1.3
- SERE
- A Evasion/Escape Routes

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- **B** Pertinent Cultural Considerations
- C Enemy Counter-Evasion/Escape Tactics
- D Contact Plans.
- A.1.4 MISCELLANEOUS INFORMATION

### A.2 TARGET DEPENDENT EEI

## A.2.1 IMAGERY AND GRAPHICS

- A. Area Orientation Imagery
- B Target Orientation Imagery
- C. Target Imagery
- D Target Graphics.

## A.2.2 TEXTUAL DATA/SUPPORT MATERIALS

- A Target Description
- **B** Target Area Activity
- C. Enomy Reaction Capability

## A.3 TARGET ANALYSIS CHECKLIST

## A.3.1 ADMINISTRATIVE DATA

- A Name of Facility
- B. Location (Address)
- C. Date of Analysis

D Author and Sources

E List of Attachments

### A.3.2 GENERAL

A. Facility Description

B. Facility Component Parts

## A.3.3 SPECIFIC

A Potential Target List

B Common Target List

C Target Relationship to Support Facilities

## A.3.4 CONCLUSIONS

A. Target Attack Profile

B Target Damage Estimate

## APPENDIX A.1

## NSW INTELLIGENCE

## A.1 TARGET INDEPENDENT EEI

### A.1.1 OBSTRUCTIONS/CONSTRUCTIONS

- **A Natural Obstructions** 
  - Topographic EEL Topographic characteristics in the area of operations that would be favorable or limit the successful execution of a Naval Special Warfare musion
    - Natural obstacles (i.e., mountains, cliffs, swamps, etc.)
    - Paths/irmis (1 e , type, location, directions, purpose, dimensions, etc.)
    - Estuaries (i.e., waterways, rivers, streams) to include type, direction, depth, location, presence of rapids, drainage systems, atc.)
    - Hazardous areas/open plans/snow fields, etc
  - 2. Meteorological EE1. Meteorological characteristics in the area of operations that would be favorable to or limit the successful execution of s Naval Special Warfare mission
    - <sup>6</sup> Atmospheric forecasts including
      - (1) Wind direction and speed at all altitudes up to 30,000 feet
      - (2) Sky conditions (c g , dry/wet, percentage cloud cover, presence/locations/speed/direction of storm centers, etc.)

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- (3) Air temperature up to 30,000 feet
- (4) Weather extremes for the area
- (5) Humidity percentage
- (6) Effect of the topology on the weather
- (7) Presence/effect of sunspots
- (8) Presence/effect of electrical interferonce
- (9) Presence/effect of fog or mist.
- ° Tabular data for
  - (1) Sunrise
  - (2) Sunset
  - (3) Beginning of Morning Nautical Time (BMNT)
  - (4) End of Evening Nautical Time (EENT)
  - (5) Moonrise
  - (6) Moon phase
  - (7) Percentage of illumination
  - (c) Star data for the area
- Procedures for acquiring most accurate climatological forecasts for:
  - (1) Next 24 hours
  - (2) 24-36 hours
  - (3) 36-72 hours
  - (4) 72+ bours
- Hydrographic EEL Hydrographic characteristics in the area of operations that favor or limit the successful execution of a Naval Special Warfure mission.
- · Water temperature, to include thermocline layers
- · Speed, direction and schedule for currents
- · Direction, range, and schedule for tides

- · Bioluminescence data for the area
- · Dopihs for all water in the area
- Water surface conditions, including floating or stationary ace
- Debris on the water surface in the area
- · Coastal gradients in the area
- · Location and nature of any breakwaters in the area
- Bottom composition
- · Water turbidity factor
- Salt water intrusion from the sea/ocean into inland water
- Dangerous marine life
- Location and nature of any submerged natural obstacles (c g, coral reefs)
- Location and nature of any submerged manmade obstacles or objects (e.g., wrecks, pipelinas, cables, etc.).

B Maamade Constructions. Manunado facilitics/constructions in the area which impact on the success of a Naval Special Warfare mission.

- Locations, dimensions, construction and functions of all civilian and military facilities in the area (e.g., buildings, water fowers, power stations, rondwars, auffields, tail lines, bridges (highway and railroad), turnels, external visible lighting)
- \* Civilian and military populations housed in the area
- Locations, operation, and function of any subsurface water intakes (e.g., for water purification or hydroelectric plants) in the area.
- Land and water navigational aids in the area and likeir functions.
- · Fences/barricades/mme fields/sensor fields

## A.1.2 ORDER OF BATTLE

#### A Ground OOB

- Organized national irms ground forces located in the area
  - ° Designation
  - ° Location
  - ° Manning lovel
  - ° Morale
  - " Level of training
  - <sup>0</sup> Uniforms
  - · Current activities
  - · Combat effectiveness
  - · Massions and functions
  - \* Capabilities
  - <sup>e</sup> Operational limitations
  - " Equipment (tanks, vehicles, weapons, etc.)
- Organized national paramilitary forces located in the area
- Special national forces located in the area (e.g., militia, police, youth groups, terrorists, KGB/GRUtype forces, local defense forces, coast watchers)
- National guard force reaction capability located near the area.
  - ° Reaction time
  - " Avenue of approach into the area
- Forces from other nations, especially from the Soviet Umon, in the local area
- Ground force active/passive defensive measures employed in the area.
  - <sup>o</sup> Guardposts, watch towers, checkpoints, or security stations, where located and how

manned Defensive precautions, stages of alert, procedures when alerted Guard rotation schedules

- <sup>o</sup> Ground patrol routes, patterns, schedules, eic
- <sup>o</sup> Annuals used for defensive purposes What, where, when, and how
- Ground force command and control centers in the area.
  - ° Conter's name
  - ° Center's composition
  - ° What is the center's function
- Local ground forces integrated into the oversil national defense force
- Peak and low periods of military activity around the area
- Local defense posture
- Level of local civilian support to the government, to military
- Attitude of the local military and civilian community toward the United States, and effect of their attitude on efforts during wartime
- Access of local civilians to military facilities. If military facilities employ civilians, how many and in whist positions?
- · Rules of engagement for the local ground forces.
- · Kinds of clothing the local civilians west.
- · Any curfews in the area, and how they are enforced
- Normal military and cavilian working hours in the ares.
- Labor unions in the area and their effect on the population.
- · Local currency in the area

- Level of civilian/military control by a foreign goverrament
- Key military/civilian leaders in the area, and where they are located.
- · POW handling procedures in the local area
- Actions of the military and civilian populace under various alert conditions.
- Holiday periods observed by local military and civitian forces.
- · Resistance groups located within the area
  - \* Recent activity.
  - How supported from outside the country (especially if such assistance has been from the United States)?
  - ° Who are leaders?
  - ° How contacted?

#### **B** Naval OOB

- · Organized national naval forces located in the area.
  - <sup>o</sup> Designation
  - ° Location
  - \* Manning level
  - ° Morale
  - ° Level of training
  - ° Uniform
  - <sup>o</sup> Current activities
  - <sup>o</sup> Combat effectiveness
  - <sup>o</sup> Mission and functions
  - \* Capabilities
  - <sup>o</sup> Operational limitations

- Ships and small craft (type, number, charactensues, capabilities)
- · Merchant fleet ship/small craft located in the area
  - <sup>o</sup> Local merchant fleet routes
  - \* National registers of the merchant ships
  - <sup>o</sup> Morchant ships coastal defense functions, what are they, and how are they conducted
- Civilian waterborne traffic found along the coast and in the harbors (e.g., lugs, water taxis, pilot eraf), fishing boats, pleasure boats).
  - · Type
  - <sup>o</sup> Maritime schedule
  - \* Function
  - ° Normal activity
  - \* Location
- Surface/subsurface maritime patrols normally oparating off the coast or in the harbor. What are thoir patrol patients, composition, schedules, communications capabilities, reaction times.
- How is the mantime defense force integrated into the overall national coastal defense force?
- What nav all force command and control centers are located in the area?
  - <sup>o</sup> What centers?
  - ° What are their functions?
  - " What is the composition of each center"
- Water borne defensive measures/early warning techniques pai into effect during an alert period (e.g., mammals, hydrophones, aubmerged nets, lighting, pairols)
- Security precautions currently rehearsed by ship/small craft crews.

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- Coastal/harbor anchorages What waterborne forces employ these anchorages?
- Is lishing conducted in the waterways at night? Local fishing regulations.
- Peak and alow times for evaluan waterborne traffic in the area.
- Dredging operations being conducted, where, how, and to what depths.
- Piers located in the harbor; what forces the up at these piers?
- Naval forces with sonar, do the forces operate their sonar in port?
- Ability of the government to draft civilian craft into military service
- Scube diving operations conducted in the area, by whom, where, and when?
- · Waterborne rules of the road
- Do the civilian ship crews carry weapons? If so, how many and what type?
- Is there a local UDT/EOD force? Where, what unit, how many, and what is their mission
- Smuggling operations conducted on the waterways
- Waterborne search and seizure regulations
- Would naval ships deploy picket boats in the event of an alert?
- How long does at take to get the various craft underway?
- Where are the ship repair and replenishment facilitics?
- Craft speed first in the harbor.
- Local nevy and civilian uniforms
- Rubber boats operated in the area, who operates them, what type, and for what purpose?

- · Lights visible in the harbor at night
- Does the local military have a swimmer delivery vehicle (SDV) capability<sup>9</sup>
- Units in the area which have a swimmer defense mission or swimmer detection sonar and anti-swimmer weapons
- C Air OOB
  - · Organized national air forces located in the area
    - <sup>o</sup> Detignation
    - <sup>o</sup> Location
    - <sup>o</sup> Manning level
    - \* Morale
    - Level of training
    - \* Uniform
    - · Current activities
    - <sup>o</sup> Combat effectiveness
    - \* Mussion and functions
    - · Capabilities
    - \* Operational limitations
    - ° Aircraft assigned and markings
  - Military and civilian sinfields located in the area What are their functions, runway characteristics, capacity, operating schedules, air routes, support, etc
  - Organized national paramilitary air forces located in the area.
  - · National air force reaction capability in the area
    - \* What is the reaction time?
    - <sup>o</sup> What are the avenues of approach to the area?
  - · Air forces from other nations located in the area

- Air force command and control centers in the area Where located, function, and composition?
- How do the local air forces integrate into the overall national defense posture?
- Air force air patrols in the area. What is their size, composition, operating schedule?
- Rules of engagement for air forces in the event of hostilities.
- Arr navigational aids in the area, location, function, and how operated
- · Local civil air defense force
- All weather flying capabilities of local military and civilian aircraft
- · Aircraft alort conditions and how activated
- \* Air force search and rescue capability

### D Communications OOB

- · Fixed communications siles in the area
  - \* Type (e.g., SATCOM, TV. radio, telephone, telepizph, etc.)
  - ° Site component systems
  - Constion.
  - ° Who operates them?
  - Technical parameters (e.g., frequencies, power outputs, ranges, modulation, types, etc.).
  - ° Site construction.
  - ° Function of each site
  - " Power supply location for each site
  - Who is communicating on the facilities, and with whom?
  - <sup>o</sup> Local call signs.

- <sup>o</sup> Antennae associated with each site, and where located
- <sup>o</sup> Role of each fixed site in the overall national defense posture.
- Portable communications devices in the area
- Capability to introduce portsble communication equipment into the area, what type and what reaction time.
- How can the various stems of communications equipment be sammed?
- Level of compatibility between U S\_squipment and squipmont in the area.
- Are there civilian ham radio operators in the area, could they be introduced into the military defense organization?
- Man-portable communications equipment in the area
- Interface between civilian and military communications facilities in the area
- Fixed communication cables/lines in the area, specific sites connected to each line.
- Reliance on other than electronic communications systems.

#### E Electronics OOB

- a Local electronics countermeasure (EM) capability
- Local electronic counter-countermeasures (ECCM) espability.
- Local electronic support measures (EM) capability, and site location.
- <sup>a</sup> Vulnerabilities of the various ECM, ECCM, ESM equipmant.
- <sup>a</sup> How can the various items of equipment be jammed?

- · Power sources for the various items of equipment
- Enemy night surveillance capability, and component location.
- Local backup capability for the various ECM, ECCM, ESM sites
- How do these sites interface into the entire coastal defense structure?
- Enemy direction finding (DF) capability, location of sites and what are the vulnerable nodes
- Local civilian electronic OOB, and the civilian capability to interface with the military OOB
- What forces man the various sites, and their level of effectiveness?
- Mobile electronic OOB systems that can be introduced into the area, and their origin Avenues of approach for such reaction force equipment
- Undersea electronic COB in the area, and its capability to detect small craft, rubber boats (CRRC), and SDVs. What are the vulnerable nodes?
- \* Ground sensors in the area
- F. Wespons OOB.
  - Mussile/AAA
    - \* Fixed missile sites/AAA in the area Where are they located?
    - <sup>o</sup> Function of each site
    - \* When were the sites constructed?
    - · Operational characteristics of the missiles
    - <sup>o</sup> Where and how are the missiles stored How many are in storage?
    - <sup>o</sup> Lowest altitude targets the surface-to-air missiles can engage.

- <sup>6</sup> Launch sequence for each system, and the component parts of the launch system
- What personnel man each site (military/civiban)?
- <sup>o</sup> Weapon trans-shipment methods between storage and launcher
- <sup>o</sup> Are the weapons in the sites pre-sighted and pre-armod?
- \* Level of operator proficiency at each site
- " Who has launch authority for the site(s)?
- \* Vulnerable nodes for each site system
- \* Can the weapons in the sites be detonated sympathetically?
- <sup>o</sup> Minimum and maximum ranges for the weapons in each site
- <sup>6</sup> Maintenance schedule for each launchor in each site
- <sup>o</sup> What reload capability for each weapon in each site?
- \* Solf-propelled missiles/AAA employed in the area, what type?
- Nuclear, biological, chemical (NBC)
  - Capabilities of area military to employ NBC weapons
  - ° NBC weapons located in the area
  - <sup>o</sup> Local method of defense using such weapons
  - <sup>o</sup> Local capabilities to defend against an NBC attack.
  - <sup>6</sup> Do troops carry and receive training with gan masks?
  - \* Do troops train with actual NBC weapons?

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- <sup>6</sup> Under what conditions would such weapons be employed?
- <sup>b</sup> What are the indications of the use of such weapons? (i.e., what activities would precode employment of such weapons?)
- <sup>o</sup> Are locals aware of the military's ability to store and employ such weapons?
- Miscellaneous
  - <sup>o</sup> Types of personal weapons (e.g., rifles, machine guns, pusiols, etc.) that are located/carried in the area? Who carries them?
  - Do local civilians have weapons in their homes?
  - " Location of any armones in the area
  - <sup>b</sup> Type, availability and amount of small arms ummunition in the area
  - What are the local gun control laws?
  - <sup>b</sup> Are the coastlane, harbors, or other waterways mined? Where and what type mines?
  - \* Are the land areas mined? Where and what type mines?
  - <sup>b</sup> What are the sensitivities of mines in the area and how activated?
  - <sup>a</sup> Do the naval/air forces have and deploy depth charges? How would they be employed?
  - <sup>o</sup> Does the enemy employ booby traps, how, when, where, and what type?
  - \* Do the sentries/patrols exercise fire disciplase?
  - Proficiency level of the military personnel with weapons.

NSW INTELLIGENCE

### A.1.3 SERE

- A Evasion/Escape Routes
  - Locations of nearest friendly forces
  - Locations of nearest friendly borders
  - Locations of nearest Safe Areas for Evacuation (SAFE)
  - Cover and concealment between the target area and exfiltration points
  - · Water and food along exfiltration route
  - Topography, vegetation, weather conditions, and dangerous wildhife, manne life, or plant life along exfiltration route
  - · Danger area(s) to be avoided.

#### B Pertinent Cultural Considerations. (See Geopohtical Brief)

- Language
- Social
- Ethnic
- · Raligious
- Political
- Economic
- Existence of friendly/guerrilla/underground forves/agents in the SERE area.

### C. Enemy Counter-Evasion/Escape Tactics Population control measures.

- **D** Contact Plans
  - Location and direction (LOAD) markets
  - Bonafides
  - Recognition signals

Specific locations

### A.1.4 MISCELLANEOUS INFORMATION

A Diseases prevalent in the area, and how transmitted

B Carnouflage measures bring employed by the military forces in the area

C Dispersion measures being employed by the local military forces

D Flags, banners, pennants that may be seen in the local area, what do they sugnify?

### APPENDIX A.2

# TARGET DEPENDENT EEI

## A.2.1 IMAGERY AND GRAPHICS

- A Area Orientation Imagery
  - Area coverage to 10 square miles (mosaic for additional area coverage required) (vertical) (10x12 format)
  - Annotations:
    - ° North arrow
    - ° Installation outline
    - \* Other installations within imagery confines
    - \* Key terrain features/obstacles
    - \* Scale

### **B** Target Orientation Imagery

- Area coverage to 3 square miles (vertical) (10x12 format)
- Annotations
  - \* North arrow
  - ° Installation outline
  - \* Functional areas
  - ° Scale.

#### C Target Imagery

- Scale J:5,000 (low oblique) (10x12 format)
- Annotations
  - ° North arrow

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- <sup>o</sup> Fences
- \* Towers
- <sup>o</sup> Buildings (identify function)
- All other structures/facilities (tanks, transformers, open storage, reveluents, etc.)
   Scale.
- · Hand held photo imagery (scaled).
- D. Target Graphics
  - · Engineering line drawing or installation blueprint
  - · Scale best possible
  - · Keyed textual description required
  - · Scale and key

## A.2.2 TEXTUAL DATE/SUPPORT MATERIALS.

- A. Target Description
  - Physical layout/functional organization (barracks areas, maintenance areas, administrative areas, etc.)
    - " Number of structures/areas
    - \* Construction of key components
      - (1) Dumensions
      - (2) Materials
      - (3) Entry/access points and type
        - (door, ramp, loading dock, etc.)
  - · Primary/alternate power sources
    - \* Number
    - ° Type
    - ° Location
    - ° Conduits location and type
    - <sup>o</sup> Associated facilities (transformers, switch yards, relays, etc.)

- \* Fuel supply (type and location)
- · Communications associated with target
  - ° Type
  - <sup>o</sup> Number
  - <sup>o</sup> Location
  - Associated facilities (link sites, switch center, etc.).
- · On site security
  - Type (fence, ditch, passive/active detection, patrol route, etc.)
  - <sup>o</sup> Location
  - <sup>a</sup> Description
    - (1) Dimensions
    - (2) Power source and location
    - (3) Frequency/schedule (for patrois/guards)
    - (4) Frequency/spectrum (electromagnetic).
    - (d) Internal procedures (key, cipher, personnel recognition, etc.).
- · Target vulnerabilities/critical damage points
  - Type
  - ° Location
  - ° Dimensions
  - Construction materials
  - Stress point(s).
- · Associated military facilities
  - <sup>o</sup> Location (coordinates)
  - <sup>a</sup> Type force (garreson, SAM, AA, artillery, peramilitary, etc.)
  - <sup>a</sup> Access routes:

- (1) Location (from target)
- (2) Type (road, rail, water: .s., etc.)
- (3) Transit tune with associated transportation.
- Strength (personnel)
- " Weapons (type and number)
- Organic and available transport (type and number)
- \* Communications with target
  - (1) Type and number
  - (2) Frequency
  - (3) Location of links/conduits
  - (4) Alternate means of communications
- Fuel supply:
  - (1) Type fuel
  - (2) Location
  - (3) Access (hydrant, hose, hand pump, etc.)
  - (4) Storage (tank, underground, barrel, etc.).

B Target Area Activity. Include any noteworthy military or orvillant activity recently associated with or in the vicinity of the target (i.e., nearby construction, observed patterns of activity).

C. Enemy Reaction Capability. Include a description of forces that have a capability to reinforce target security elements within short periods of time.

## APPENDIX A.3

## TARGET ANALYSIS CHECKLIST

### A.3.1 ADMINISTRATIVE DATA

### A NAME OF FACILITY

### B LOCATION (ADDRESS)

- Map Coordinates
- · Geographical Area
  - <sup>a</sup> Urban
  - Suburban
  - \* Runal

#### C DATE OF ANALYSIS

### D AUTHOR AND SOURCES

### E LIST OF ATTACHMENTS

- Maps
- · Photos
- Brochures
- Schedules
- Sketches
- · Blueprints

### A.3.2. GENERAL

### A GENERAL DESCRIPTION OF FACILITY AND BRIEF COMMENTS ON NATURE OF OPERATION

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#### B DESCRIPTION OF FACILITY'S COMPONENT PARTS

- Physical structure sketch photo (air/ground) -(dimensions)
- Communications
  - ° Type
  - Backup systems
  - ° Command/control center
- Power/fuel
  - Type(s) used (primary) (secondary) -(alternate)
  - Amount used
    - (1) daily rate
    - (2) seasonal variation
  - ° Sources of supply
    - (1) on-site storage
    - (2) means of delivery and
      - time required for resupply
  - ° Type of storage facility
    - (1) above ground
    - (2) underground
    - (3) combination
  - \* Amount/type of fuel on hand
  - \* Reserve system and conversion time
    - (1) type(s) used
    - (2) amount used (daily rate)
    - (3) sources of supply
      - (a) on-site storage
      - (b) means of delivery and time
        - required for supply
    - (4) type of storage facility

- (a) above ground
- (b) underground
- (e) combination
- Personnel
  - ° Number of employees
  - ° Number present during each shift
  - <sup>0</sup> Work hours/days
  - <sup>0</sup> Key personnel (availability)
  - <sup>a</sup> Labor organizations and labor/management relationships
  - <sup>o</sup> Employment procedure/sharing policies.
- · Raw Materials
  - <sup>b</sup> Type
  - <sup>o</sup> Amount
    - (1) doily/weekly/monthly
    - (2) stockpales
  - " Sources of supply
  - <sup>o</sup> Means of delivery
- · Finished product
  - " Type (flammable or not)
  - Amount (dmby/weekly/monthly production)
  - <sup>o</sup> Quality control
  - <sup>n</sup> By-products
    - (I) type
    - (2) amount
  - <sup>a</sup> Distribution
  - ° Stockpile
- · Conversion to manufacture of war materials
- · Transportation and materials handling compment

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- Туре
- ° Amount
- <sup>o</sup> Backup system
- <sup>o</sup> Maintenance/repair
- · Flow disgram
- Security
  - <sup>10</sup> Types of system(s)
    - (1) on-site
    - (2) reserve systems and reaction
  - \* Amount employed and schedules
  - ° Type of armament and how employed
  - <sup>o</sup> Location
  - ° Screening system(s)
  - <sup>o</sup> Communication systems
  - <sup>o</sup> Crisis control equipment/personnel
    - (1) type
    - (2) amount
    - (3) location
    - (4) reaction time
    - (5) emergency access
    - (6) alarm systems
    - (7) medical facilities

### A.3.3. SPECIFIC

#### A LIST OF POTENTIAL TARGETS WITHIN COMPLEX

### B LIST OF COMMON TARGETS WITHIN COMPLEX

### C RELATIONSHIP OF TARGET TO RELATED FA-CILITIES/SYSTEMS SUPPORTING/DEPENDENT

- 1 Internal
- 2 External

### A.3.4 CONCLUSIONS

### A BASED UPON ANALYSIS OF TARGET COMPLEX, IDENTIFY AND JUSTIFY THOSE COMPONENTS DEEMED MOST SUSCEPTIBLE TO ATTACK BY:

- A small force (1-12 men) with conventional weapons and explosives
- A large force (50+ men) with conventional weapons and explosives

#### B. DETERMINE CONSEQUENT DOWNTIME OR DE-STRUCTIVE EFFECT SUCH AN ATTACK WOULD HAVE AGAINST THE TARGET FACILITY

### APPENDIX B

## VESSEL CHARACTERISTICS AND CAPABILITIES

- B.1 SMALL CRAFT OPERATIONS
- B.2 CRRC/INFLATABLES
- B.3 SPECIAL BOAT CHARACTERISTICS
- **B.4** FLEET BOAT CHARACTERISTICS
- B.5 SHIPS CAPABLE OF TRANSPORTING THE SEAFOX (SWCL)
- 8.5 NAVAL GUNFIRE SUPPORT SHIPS

## APPENDIX B.1

# SMALL CRAFT OPERATIONS

### B.1.1 GENERAL.

The sensor Unrestricted Line Officer on board any Navy craft or boat is responsible for the safe operation of the craft

## B.1.2 PLANNING CONSIDERATIONS

**A MISSION OBJECTIVE** 

B THREAT

C. SEA/WEATHER CONDITIONS

D LOGISTIC SUPPORT

E EMERGENCIES

## B.1.3 COORDINATION.

Boar crews should be brought also the SEAL in sumo planning as early as possible in order to ensure that the boa's capabilities for supporting the mission are fully explored while also taking into consideration the boa's instructions. The planning of maints to and from the metric-traction focations should be done jointly by the SEAL Element Commander and the boat crew to ensure this boat instries will complement the executions of the SEAL insiston.

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### B.1.4 EXECUTION.

The following items should be covered in all small craft plans.

### A. PLACEMENT OF PERSONNEL AND EQUIPMENT

### **B. BATTLE STATIONS AND ACTIONS DURING:**

- Transit
- Insertion (including deception plan)
- Extraction (including deception plan)
- C. PRIMARY/SECONDARY INSERTION POINTS

#### D. CRAFT ACTION BETWEEN INSERTION AND EXTRACTION

- E. COMMUNICATIONS/LOST COMMUNICATIONS PLAN
- F. PRIMARY/SECONDARY INSERTION
- **G. RENDEZVOUS PROCEDURES**
- **H. EMERGENCY EXTRACTION**
- I. FIRE SUPPORT

## APPENDIX B.2

## COMBAT RUBBER RAIDING CRAFT (CRRC)/INFLATABLES

ITEM	WEIGHT (LOBS)	LENGTH (PT)
AVON 450	270	15
AVON 460	270	15
AVDN 520	350	17
Z-BIRD	490	15 (good in rough seas)
IBS	120	13
ZODIAC F-476	280	15 (preferred over AVON 460)
RIB	4,590	24
55 hp OBM	202	N/A
35 hp OBM	118	N/A
15 hp OBM	78	N/A

### GAS BLADDER - 18 gal (13 5 gal MAX ALLOWED ON AIRCRAFT)

GAS CAN - 6 gal (4.5 gal MAX ALLOWED ON AIRCRAFT) NOTE: Fuel consumption

depends on the following variables.

- · type of boat
- · speed maintained
- · displacement and weight of personnel and cargo
- type of motor and propeller
- · engine throttle setting
- · wind speed and direction
- · current, set, and drift
- · sca state

## APPENDIX B.3

## SPECIAL BOAT CHARACTERISTICS

LENGTH	Mk.III PB 64'10-3/4"	<u>SWCL</u> 35'1  -5/8"	<b>PBR</b> 31'1 1'	MATC 36'
BEAM	18'3/4"	9.10.	11'7"	12'9"
HEIGHT	17'6"	6'11-3/4" COLLAPSED		5'11"
HOISTING W	EIGHT			
(LBS)	83,000	23,700	17,443	25,600
DISPLACEM	ENT (LBS)			
(LIGHT)	63,000	21,200	15.050	22,000
(FULL)	\$2,500	26,000	17,800	29,500
DRAFT	5'10"	2'10" 1'11	-3/8" 1	11-3/4
	(FULI	LOAD) (FUL	LLOA	D)
	) 30+ DIUS (FULL :		23.9	28 5
(NM)	300	110	150	370
	DIUS (REDU		150	370
(NM)	400	150	312	521
FUEL TYPE	#2 DIESEL	#2 DIESEL	DFM	DFM
HULL	ALUM	FBG	FBG	ALUM

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	Mk III PB	SWCL	PBR	MATC
WEAPONS				
LMG	M-60	M-60	M2-56)	
MG (CAL)	20MM	50	M2-50	50
MG	M-19	M-19	MK-46	м
MORTARS	Various			60MM
CANNON	40MM			
MAX				
SEA STATE	5	3	<3	<3
CREW	8	3	4	2
PAX	15 MAX	10	6	8
PAYLOAD (LBS)	+CREW +	SWIMMERS 500	+ CREV	¥ 4400

COMMUNICATIONS

VRC 94	VRC 94	2	2
ARC 159	ARC 159	UHF	UHF
MARINE B	AND		

### APPENDIX B.4

# FLEET BOAT CHARACTERISTICS

					-
	FCA	LCM8	LCM6	LCPL (ST)	LCPL (AC)
LENGTH	134'9"	73`6"	56'1"	35.8"	36'
BEAM	29`9"	21 '	14"	11 <b>2'</b>	13.5'
HEIGHT					
(MAST UP)	38'-1/2"				
(MAST STO	VED) 19'	24'	19"	9'	9'
HOISTING W	/EIGHT				
(TONS)	200 LT	73 LT	27	93	88
DISPLACEM	ENT (MA	X LOAD			
(TONS)	390	127	62	10	10
(LIGHT LOA	D1170				
DRAFT (EM		n -			
FWD			3'	26'	3.9'
AFT	4 5'/6 5'		4'	3.6'	
Art	4 3 70 3	34	•	30	
SPEED					
(KTS)	12	12	9	19	10
FUEL CAP					
(GAL)	3288	1146	466	160	160
FUEL TYPE		DFM	DFM	DFM	DFM
HULL	STEEL	STEEL	STEEL	STEEL	ALUM

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	LCU	LCM8	LCM6	LCPL (ST)	LCPL, (AC)
WEAPONS					
(CAL)	2-50	250	2-50	2-50	2-50
CREW	10	5	5	3	3
PAX	400	150	80	17	17
COMMUNIC MOTOROLA					
B TO B	Y	Y	Y	Y	Y
	WRC	VRD	VAL	PRC	PRC
	1-B	46	46	77	77
	VRC 46				
	URC 9				

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### APPENDIX B.5

### SHIPS CAPABLE OF TRANSPORTING THE SEAFOX

SHIP TYPE	STOWAGE LOCATION/METHOD OF HANDLING
LHA	Stowage on trailer or deployment eradlo (supplied by NSW units) in hangar deck, heavy vehicle deck, or forward well deck area
LPH	Stowage in upper cradle of double banked dolly stowage Handling by a single point lift using ship's crane.
LST	Stowage in main deck upper cradic stow- age (port and/or starboard sido). Handling by double proted link davits
LCC	Stowage in third deck single banked cradle stowage (port and/or starboard side) Hand- ling by trackway davits
LSD	(28 Class): Stowage in main dock upper eradle stowage (port and/or starboard stde). Handlag by trackwi, dwirb. (36 Class): Stowage by nesting m LCM 6 on 01 level port side Handling by ship's crates. (41 Class): Stowed forward of 60 ton crate anidships on bost dock in 50, fully by both 20, fully both and a starboard of 50 ton crate.
LPD	cradle Handling by 60 ton crane (1 Class): Stowage in 01 level upper cradic stowage (post and/or starboard side) Hand- ling by ship's starboard crane

SHIP TYPE	STOWAGE LOCATION/METHOD OF HANDLING
LPD (con't)	(4 Class): Stowage in 01 level upper cradle stowage (port and/or starboard side): Hand- ling by shap's starboard crane
LKA	Stowage by nesting in LCM 8 in forward port and/or starboard locations, or on the No 2 hatch cover Handling by one of the 12 ship's booms
ALL SHIPS	Additional stowage on trailer or deploy- ment cradle (supplied by NSW units) is feasible on a flight deck or other stowage area

<u>NOTE</u>: Not all ships in the classes listed have cradies configured to handlo the SEAFOX. In general, the SEAFOX is supable of being stowed in any davits cradle equipped with 26,000 lb. 36-foot davits where LCPLs or LCVPs are presently slowed.

Information regarding necessary modifications to chocks, keel blocks, and gripes on LCPL and LCVP eradies to stow SEAFOX is available from the Naval Sea Systems Command, Dock and Repletishment Systems Division, Washington, D C, 20362

Mort U.S. Nary amphibious assault ships equipped with 26,000 lb, 36-foot davits are being outfitted with a converble cradle capable of itowing either a LCPL ML for SEAFOX. These eradles are outfitted with two sets of chocks, keel blocks and grapes (one set for each eraft).

### APPENDIX B.6

# NAVAL GUNFIRE SUPPORT SHIPS

SHIP CLASS	NO. CUNS	RANGE (YDS)
"IOWA" BB	(9) 16 IN (6) TWIN 5 IN/38	40,185 17,306
"VIRGINIA" CGN	(2) 5 IN/54	25,909
"CALIFORNIA" CGN	(2) 5 IN/54	25,909
"TRUXTUN" CGN	(1) 5 IN/54	25,909
"LONG BEACH" CON	(1) TWIN 5 (N/38	17,306
"TICONDEROGA" CO	in (2) 5 1N/54	25,909
"BELKNAP" CG	(1) 5 EN/54	25,909
"ARLEIGH BURKE" I	DDG (1) 5 IN/54	25,909
"KIDD" DDG	(2) 5 IN/54	25,909
"COONTZ" DDG	(1) 5 IN/54	25,909
"CHARLES F. ADAM!	5" DDG (2) 5 1N/54	25,909
"SPRUANCE" DD1	(2) 5 IN/54	25,909

SHIP CLASS	NO. GUNS	RANGE (YDS)
OLIVER HAZARD	PERRY" FFG	
	(1) 76MM/MK 75 (OTO MELARA)	16,300(m)
"BROOKE" FFG	(1) 5 IN/38	17,306
"KNOX FF	(I) 5 IN/54	25,909
"GARCIA" FF	(2) 5 IN/38	17,306
"BRONSTEIN" FF	(I) TWIN 3 IN/50 CAL	14,041
*TARAWA* LHA2	(3) 5 IN/54	25,909

The following amphibious shaps have the 3 m/3u cal twin mount which can be used in a limited NGFS role: "IWO JIMA" class LPHs; "AUSTIN" and "RALEIGH" class LPDs, "ANCHOR-AGE" and "THOMASTON" class LSDs, "CHARLESTON" class LKAs, and "NEWPORT" class LSTs

<sup>&</sup>lt;sup>1</sup> considered to be the best NGFS platform in USN due to variant of 5 in/54 gun (Mk 45) and gunfire control system (Mk 86).

<sup>&</sup>lt;sup>2</sup> with the exception of "IOWA" class BBs, LHAs are the most heavily armed ship with respect to guarfire capabilities.

### APPENDIX C

# AIRCRAFT CHARACTERISTICS

### C.1 FIXED WING AIRCRAFT

### C.2 ROTARY WING AIRCRAFT

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### APPENDIX C.1

### FIXED WING AIRCRAFT CHARACTERISTICS AND CAPABILITIES

	COMBAT		LANDEN		
AIRCRAFT		ORM/MAX			
	(1959)	(KTS)	(FD	PA	LLETS
C-IA					
TRADER	600	170/280	3000	10	3000
			X75*		2000
			A/3.		
0.0.000					
C-2 (COD)	550	260/310	1428*	28	10000
C-5A					
GALAXY	5600	450/496	3600	250	221000
		TAKE O			/36Ps
		TAKE U	rr 040	0	/Jors
C-9B					
SKYTRAIN	2538	438/500	5000	65	32000
			X75		
C-123					
PROVIDER	1500	140/240	6000	42	19500
1 HO FIDER	1300	140/240		42	19200
			X200		
C-130					
HERCULES	4460	300/335	2750	92	44000
		TAKE O	FF 516		/6 Ps

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FIXED WING AIRCRAFT CHARACTERISTICS

		SPEED I			
		(KTS)			
MC-130E					
COMBAT TALON	2000	300	CLAS	SIFI	ED
MISC SPECIFIC	ALLY DE	SIGNED F	OR A W	DE	
RANGE OF SPE	COPS (LO	W LEVEL,	ALL WI	EATH	ER,
NIGHT CAPABL	E, INERT	TAL NAV, E	TC.)		
AC-130H	CLASS	SEFIED			
SPECTRE					
MISC MISSION			<b>NT FIRE</b>	SUP	PORT
AND TACTICAL	. SURVEI	LLANCE			
C-141B					
STARLIFTER	5500	450	6500	150	69000
			X150		/13Ps
E-2C					
HAWKEYE	1400	225/275	CARR	IER	5 N/A
			AWAG		
OV-10					
BRONCO	265	200/341	800	5	800
			X600		
P-3C					
ORION	4000	330/350	6000	23	47000
ONION	4000	330/330	X200	43	-,000
			A200		

\*Carrier Capable



### APPENDIX C.2

### ROTARY WING AIRCRAFT CHARACTERISTICS AND CAPABILITIES

AIRCRAFT	RADIUS	NORM/M	LANDING X ROMNTS (FD)	CARGO
UH-IN IROQUOIS	227	100/115	65 <b>X</b> 65	11/5000
UH-1K IROQUOIS	260	110/130	65X65	11/2500
CH-46E SEA KNIGHT	180	120/145	200X100	23/6000
CH-53D SEA STALLION	223	150/170	100X100	37/8520
CH-53E SUPER SEA STALLION	226**	150/180	100X100	55/30000
HH-53H** PAVE LOW MISC SPECO TIAL NAV. FU	PS CAPAB	LE, NIGH		
CH-47 CHINOOK	275	139/164	300X150	45/11650

PATROL LEADER'S HANDBOOK

### ROTARY WING AIRCRAFT CHARACTERISTICS

AIRCRAFT	COMBAT RADIUS (NM)		LANDING X RQMNTS (FT)	PAX/ CARGO (#/LBS)
SH-3	350	120/144	100X100	6/6000
SH-60 SEAHAWK	370	145/158	100X100	N/A/6500
MH-60K**	300	146/160	100X100	15/6500
AH-6		CLASSI	FIED	
AH-1T COBRA	125	150/175	65X65	not avail.

\*Combat radius figures are for a normal loadout without external tanks, tradeoffs in cargo/pax capabilities will be scenario-dependent with the addition of tanks

\*\*in-flight refuelable.

### APPENDIX D

# WEAPONS AND DEMOLITIONS

### D.1 U.S. AND ALLIED SMALL ARMS

### D.2 SOVIET/WARSAW PACT SMALL ARMS

### D.3 DEMOLITION CAPABILITIES AND FORMULAS

#### PATROL LEADER'S HANDBOOK

### APPENDIX D.1

# U.S. SMALL ARMS

WEAPON	MAG/ CAL	WT (LBS)	MAX EFF. RANGE(YDS)
MACHINE GUN	s		
M-60	100 RD/	23	1100
	7 62MM	E	
M-60 LIGHT	100 RD/	19	1100
	7.62MM		
50 BMG	100 RD/	65	2200
	.50 CAL		
SUBMACHINE (			
MP-5	30 RD/	45	110
	9MM		
CARBINES			
M-16 CAR	30 RD/	6	440
	5 56MIV		
		-	
ASSAULT RIFL	ES		
M-14	20 RD/	11	660
	7 62MN	6	
M-16 A1	30 RD/	7	440
	5 56MIN	1	

AP	PE	ND	IX	D	
----	----	----	----	---	--

WEAPON	MAG/ CAL	WT (LBS)	MAX EFF. RANGE(YDS)
SNIPER RIFLES			
MCMILLIAN/	5 RD/	9	1000
REMINGTON M-70	07 62M	M	
MCMILLIAN M-86	5 RD/	10	1000
	7.62M	M	
50 BMG SASR	SINGL .50 CA		1950
PISTOLS			
H&K P-9S	10 RD/ 9MM	2	55
45 1911 AI	8 RD/		55
	45 C A		
BERETTA 92F	15 RD/		55
	9MM		
S&W MOD 686	6 RD/		55
	.357 C.	AL	
MISCELLANEOU	s		
REMINGTON	SHOT		55
MOD 870	12 GU	AGE	
M-203 GRENADE			330
LAUNCHER	40MM		
M-3 CARL-GUSTA			1100
RECOILESS RIFLE	84MM		
SHOULDER MOUT	VTED	16	330
ANTI-ARMOR WE	APON (S	SMAW)	
AT-4 ANTI-ARMO			330
	84MM		
DATEOU LEADERS &	A NOROC	~	

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### APPENDIX D.2

### SOVIET/WARSAW PACT SMALL ARMS

		WT	MAX EFF.
WEAPON	CAL	<u>(L]IS)</u>	RANGE(YDS)
MACHINE GUNS			
PKM (BELT FED)	7.62M	M 44	1100
RPK (MAG FED)	7.62M	M 28	875
ASSAULT RIFLES	1		
AK-47	7 62M	M 95	330
AKM OR AKMS	7 62M	M 7	330
AK-74/AKS-74	6 64M	M 8	
SVD SNIPER RIFL	E 7.62M	M 9	660
PISTOLS			
MAKAROV PM	9MM	1.4	55
PSM	5.54M	мι	55
ANTI-ARMOR			
RPG-7	40MM	L 17	330
RPG-18	64MM	6	220

### APPENDIX D.3

### DEMOLITIONS CAPABILITIES AND FORMULAS

PATROL LEADER'S HANDBOOK

### DEMOLITION CARD

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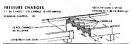
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PATROL LEADER'S HANDROOK

### DEMOLITIONS CAPABILITIES



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#### DEMOLITIONS CAPABILITIES

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APPENDIX D.3

#### BREACHING CHARGES

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#### DEMOLITIONS CAPABILITIES

#### BREACHING CHARGES

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APPENDIX D 3

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### APPENDIX E

## COMMUNICATIONS

E.1 COMMUNICATIONS/ELECTRONICS CAPABILITIES AND SPECIFICATIONS

E.2 NSW/SHIPBOARD COMMUNICATIONS INTEROPERABILITY

E.3 NSW/E-2C INTEROPERABILITY

E.4 C3 VAN CAPABILITIES

PATROL LEADER'S HANDBOOK

COMMUNICATIONS/ELECTRONICS CAPABILITIES

### APPENDIX E.1

### COMMUNICATIONS/ELECTRONICS CAPABILITIES AND SPECIFICATIONS

TTEM	FREQ RANGE (MIRZ)	RANGE (NM)	WT. (LBS)
AN/PRC-68	30-79	1	3
AN/PRC-77	30-75 95	25	23
AN/PRC-90	243-282.8	LOS	2
		(1	EMERG
URC-94	1.5-29 99/	50	N/A
	30.0-79 99		
AN/PRC-104	2-29.99	10-2000	28
AN/URC-110	116-149/	5-5000	16
	225-399	(LOS) (	KY-65)
		SATCOM	
AN/URC-112	121 5-225 9	LOS	1.5
	RE	PLACING U	RC-90
AN/PRC-113	116-150/	LOS	10
	225-400		
AN/PRC-117	30-89 975	5	11
	RE	PLACING P	RC-77
PRC-119	30-88	LOS	18
ARC-159	225-395 975	LOS	N/A
AN/PSC-3	225-400	LOS/	25
		SATCOM	
LST-5A	225-400	LOS/	8
		SATCOM	
KY-57	VINSON CRYP	TO N/A	6
KY-65	PARKHILL	N/A	25

U.S. NAVY SEAL

APPENDIX E 1

ITEM	FREQ RANGE	RANGE	WT.
	(MHZ)	(NM)	(LBS)
MX-300	139 6 (VHF)	5	2
MX-300	407 425/,525	5	2
MX-340	156.8	5	2
DMDG	HIGH SPEED (	OMMUNIC	ATIONS
	(NOT SECURE	)	9
AN/PPN-18	BEACON	N/A	26
AN/PPN-19	BEACON	N/A	17
M-909	NIGHT VISION	GOGGLES	(NEW)
		N/A	4
PVS-5A	NIGHT VISION	GOGGLES	(OLD)
		N/A	4
M-845	NIGHT RIFLE :	SCOPE	
		N/A	4
M-911	POCKET SCOP	E	
		N/A	2
PAO-4	IR AIMING LIC	THE	-
		N/A	2
GVS-5	IR RANGE FIN	DER	-
		N/A	6
AIM-1	IR AIMING LK	HT	-
		N/A	1

### APPENDIX E.2

### NSW/SHIPBOARD COMMUNICATIONS INTEROPERABILITY

A	DVANCI	E FO	RCE	CDR	6	AT	F	BO	;
	LSD	LPI	LS	LEE L	cc	LPH	LHA	CV	88
PLATOON									
PRC-104 (HF)	+	+	+	+	+	+	+	+	+
								N	ote 1
PRC-113									
(HIGH VHF/UF	(F) +	-	+	+	+	+	+	+	+
PRC-112 (UHF)	+	+	+	+	+	+	+	+	+
PRC-117 (VHF in									
non-hop Mode)	+	+	+	+	+	+	+	+	+
								No	ste 2
PRC-68 (VHF)	+	+	+	+	+	+	+	+	+
PRC-77 (VHF)	+	+	+	+	+	+	+	+	+
PRC-90 (UHF)	+	+	+	+	+	+	+	+	+
PRC-94 (UHF)	+	+	+	+	+	+	+	+	+
PSC-3 (SATCOM	• (	٠	٠	•	٠	٠		٠	
URC-110 (SATCO	M)*	٠	٠	•	٠	٠			
MX300R (HIGH	VHF)-	-	•		-		-	-	
NSWTU									
GRC-193 (HF)	+	+	+	+	+	÷	+	+	+
URC-94 (HF/VHF	·) +	÷	+	+	+	$^{+}$	+	+	+
PRC-115 (UHF)	+	+	+	+	+	+	+	+	+
VSC-7 (SATCOM	) *	٠	•	•	٠	٠	•		•

APPENDIX E.2

ADV	ANCI	E FO	RCE	CDR	t C	ATT		BC	;
	LSD	LPI	IST	IFE	LCCI	РН	LEZ	(CV	BB
NSWTC									
URT-23 (HF TRANS	S}+	+	+	+	+	$^{+}$	+	+	+
R1051 (HF REC)	+	+	+	+	+	÷	+	+	+
URC-94 (HF/VHF)	+	+	+	+	+	$^{+}$	+	+	+
VSC-7 (SATCOM)	٠			٠		٠	٠		٠
WSC-3 (SATCOM)	٠	٠	٠	٠	•	٠	٠		٠

+ Compatible with organic ship radios.

- Not compatible with ship radios

 Compatibility with ship radios depends on MODs of ship equipment.

Note 1 - All DMDG operations (w/any raduo) require NSW personnel and equipment to interface shipboard equipment Note 2 - Ship equipment is not compatible with frequency hopping mode.

### APPENDIX E.2.1

### NSW/SHIPBOARD SATCOM INTEROPERABILITY

A Existing shipboard assets (WSC-3, OE-82, KY-58) con be utilized. NSW supplies DMDG and TA-970 adapter (WILLY BOX)

1. WSC-3 must be solely dedicated to NSW forces.

 If no TA-970/TA-790 available, WILLY BOX would have to be adapted to plug directly into KY-58. This listits remoting capability

B. Utilizing NSW gear (PSC-3, KY-57, DMDG)

1 Deck mounting of DMC-120 portable SATCOM antenna is required. This limits area of PSC-3 due to length of antenna cable

2 The possibility exists to tap off existing shipboard OE-82 SATCOM antenna Some ships are so equipped in other cases, NSW forces would have to provide hardware

 An additional option would be to strap DMC-120 antenna to OE-82 antenna for tracking purposes

4 In cases 2 and 3, some satellate must be used

### **APPENDIX E.3**

# NSW/E-2C INTEROPERABILITY

- 1 Cable required for DMDG to E-2C.
- 2 UHF LOS (PRC-113), DMDG, KY-57 operational on testing.
- 3. HF (PRC-104), DMDG operational
- Aureraft altitude will effect range of communication (25,000 ft at 300 miles for UHF).

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### APPENDIX E.4

### **C3 VAN CAPABILITIES**

C-3 VAN	
OTY, CIRCUIT	CIRCUIT CAPABILITY
4 HF	TTY/VOICE, AM/USB/LSB/CW/
	LANDLINE
2 HF/VHF	VOICE/DATA, AM/USB/LSB/CW/
	FM-VHF
*3(2) UHF-FM	VOICE/DATA, LOS/SATCOM
1 UHF	AM/FM, VOICE/DATA, FSK.
	LOS/SATCOM
4 VINSON	SECURE VOICE (KY-58) SATCOM.
	UHF, VHF
2 PARKHILL	VOICE (KY-75) DATA, HF.
	LANDLINE
2 NESTOR	SECURE VOICE (KY-8) UHF, VHF
1	FLTSEVOCOM (STANDARD FLEET
	SECURE VOICE NET)
*1(0) DAMA	DEMAND ASSIGNED MULTIPLE
	ACCESS (ALLOWS FIVE CIRCUITS
	TO TIME-SHARE ONE SATELLITE
	CHANNEL)
*1(0) GXC-7	DIGITAL FACSIMILE CIRCUIT,
	SECURE/NON-SECURE
2 KG-84	DIGITAL DATA ENCRYPTION
	DEVICES (TTY/DATA) ENABLES
	HIGH-SPEED INFORMATION
	TRANSFER
2 DMDG	DIGITAL MESSAGE DEVICE GROUP
Numbers in parenthe	ses indicate current circuit capability Full

Numbers in parentheses indicate current circuit capability Full circuit capability will be added in the near future. All wiring is installed in the van(a), with the exception of DAMA, but the equipment itself is not yet available.

### APPENDIX F

### REFERENCES

F.1 BIBLIOGRAPHY FOR NSW OPERATIONS PLANNING

### F.2 GLOSSARY OF NAVAL SPECIAL WARFARE TERMS

PATROL LEADER'S HANDBOOK

### APPENDIX F.1

### BIBLIOGRAPHY FOR NSW OPERATIONS PLANNING

### F.1.1 AMPHIBIOUS OPERATIONS

Naval Special Warfare in Amphibious Operations NWP 22-4B

Joint Surf Manual

COMNAVSURF-PAC/LANT Inst 3840 I (Series)

F.1.2 ENVIRONMENTAL AREAS OF OPERATIONS

Desert Operations FM 90-3

Mountain Operations FM 31-72

Northern Operations FM 31-71

Basic Cold Weather Operations FM 31-70



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#### CARTOGRAPHY F.1.3

Natureal Cuart Symbols	H U Charl
and Abbreviations	No 1
Joint Surf Manual	COMNAVSURF- PAC/LANT Inst
	3840 1 (Series)
Cartographer's Manual	CNSWG-I
	Inst 3820 1
DEMOLITIONS	

Demolitions Materials

Explosives and Demolitions

Special Forces Explosives

NAVSEA OP 2212

FM 5-25

Army Correspondence Course Sub-Course 706

# E1.6 1

F.1.4

# DIVING

Navy Diving Manual	Vol 1 Air Diving Vol 11 Mixed Gas Diving
Draeger LAR V	Pamphlet
Closed-Circuit 02 Diving	NEDU Rpl 7-85
U/W Purging Procedures for Draeger	NEDU Rp; 8-86

BIBLIOGRAPHY FOR NSW OPERATIONS PLANNING

### F.1.6 LAND WARFARE

The Law of Land Warfare	FM 27-10
Map Reading	FM 21-26
Ranger Handbook	ST 21-75-2
Sniper Training and Employment	TC 23-14
Special Forces Trainer's Guide	FM 31-5
Survival	FM 21-76

F.1.7 PHOTOGRAPHY

Intelligence Photography

FITCPAC Course J-243-0974

### F.1.8 SOVIET/EASTERN BLOC FORCES

The Soviet Army Troops, Org., and Equipment	FM 100-2-3
The Soviet Army, Operations and Taches	FM 100-2-1
Understanding Sostet Naval Developments	NAVSO P-356
Visual Aircraft Recognition	FM 44-30

# F.1.9 SUBMARINE OPERATIONS

Submarine SPECOPS Manual -Unconventional Warfare NWP 79-0-4

DDS TACMEMO

NAVSPECWAR-CEN STG TACMEMO

F.1.10 TARGETING

SPECOPS Target Vulnerability and 61JTCG/ME-83 Weaponeering Manual

E1.11 WEAPONS

M-16 A1 Rifle FM 23.9 M-14 Rifle FM 23-8 M-60 Machine Gun FM 23-67 12 Gauge Shotsun TM 9-1005-303-14 60mm Lightweight Mortar TM 9-1010-223-10.HR 40mm M-203 Grenade Launches FM 23-31 Pistols and Revolvers FM 23.35

# APPENDIX F.2

# GLOSSARY OF NAVAL SPECIAL WARFARE TERMS

Antiterrorism. Defensive measures used to reduce the subscrability of individuals or property to terrorism. Also called AT (approved definition by JCS Pub 1)

Beach Landing Site (BLS): A geographical location selected for across the beach infiltration/exfiltration/resupply operations

Beacon Bombing: Bombing: operations using Radar Beacon Forward Air Controller (RABFAC) AN/PPN 18 and AN/PPN 19 transpondors to and aircraft in the conduct of close air support mismora. Other used in conjunction with ground laser devices to deliver presimon audod aumitions.

Bland Transmission: Transmission which is without expectation of a receipt or raply.

Brown, Water, An unofficial term, generally used to encompass in review, indirect and coastal operations. "Revences" is an indired or coastal area, characterized by both land and water, with fination land routes and acctuative water analytics and/or indirect and/or indirect "Indirect" relates to coastal areas and is generally used to indicate activities adjacent to the shore (i.e., in very hallow water) "Coastal" at the lass defined term, generally taken to mean over the commends half (i.e., a depth of 600 for 1ers).

Civil Affairs. Those activities conducted during peace and war thei facilitate relationships between US military forces, ervil authoritics, and people of the nation in which the US forces are operating Clandestine Operations. Operations to accomplish intelligence, counteruntelligence, and other annular activities sponsored or conducted by governmental agencies in such a way as to assure concediment of identity of sponsor.

Combat.Control Team, A team of Air Force personnel organized, trained and equipped to locate, identify, and mark drop/inding conce, provide initido weather observations, initial and operate navigational aids and air traffic control communications necessary to guide aircraft to drop/landing zones, and to control air traffic at these zones

Combat Search and Rescue Combat search and rescue (CSAR) is a specialized task performed by rescue forces to affect the expeditious recovery of distressed personnel from a hostile environment during wartime or contingency operations

<u>Combined Operation</u>. An operation conducted by forces of two or more alleed nations acting together for the accomplishment of a singla mission.

Command and Control. The exercise of authority and directors by a properly designated commander over assigned forces in the accompliantem of the musine. Command and control functions are performed through an arrangement of perconnel, equipment, communications, fischietes, and procedures employed by a commander mplanning, directing, coordinating, and controlling forces and operations in the accomplications of the musing on USP shot.

Compact Laser Designator (CLD): The compact laser designator is a larger native gives on the amount operation of the amount of target native will be used by a ground operator for target handfor to laser guided ordinance and laser in tracker equipped arrent. The CLD is a Class IV neodynium yttrium aluminum genes (ND YAG) laser. I weight 6 Hos and has a range from 590.100 meters The primary power source is a listmain battery, ablough recharged and classing methods for gramma.

Communications. A method or means of conveying information of any kind from one person or place to another (JCS Pub 1).

Compartmentation, Establishment and management of an intelligence organizations so their information about the personnel, organizzation, or estitutes of one component is an and as available to any other component only to the extent required for the performance of assigned duties

Compromise. The known or suspected exposure of clandestine personnel, initializations or other assets, or of classified information or meterial, to an unauthorized person.

Counter-Guerrilla Warfare, Operations and activities conducted by armed forces, paramilitary forces, or non-military egencies against guerrillas.

Counternaurgency: Those military, paramilitary, political, economic, psychological and ervic actions taken by e government to defeat insurgency (JCS Pub 1).

Counter-intelligence. These activities which are concerned with identifying and countersceing the threat to security posed by hostile intelligence services or organizations or by individuals engaged in expromage, sebotage, or subversion (ICS pub 1).

Counterterrorism. Offensive measures taken to provent, deter, and respond to terrorism. Also called CT (Approved definition by JCS Pub 1)

Cover: Protective guise used by a person, organization or installetion to prevent identification with clandestine activities,

Coset Operations: Operations which are so plaused and executed as to conceal the identity of, or permit plausible denial by the sponsor under the provisions of Executive Order 12036. They differ from clandestine operations in that emphasis is placed on concealment of identity of the sponsor rather than on concealment of the operation

Deception. Those measures designated to mislead the enemy by manipulation, distortion, or falsification of evidence to induce him to react in a manner projudicial to his interests

Denial Operation. An operation designed to prevent or hinder enemy occupation of, or benefit from, areas or objects having tactical or strategic value.

Direct Action Mission (DAM): A specified military or paramittary operation involving a commando style mid into a hostile or denied are. DAM's are usually conducted coverily or clandestimely by SPECOPS forces in order to roscus, sinke, reconnotier, or destroy a target behind enemy lines.

Diversion. The act of drawing the attention and forces of an enomy from the point of the principal operation: this can be an attack, alarm, or faint which diverts attention.

Drop Altitude: Altitude of an ameraR in feet above the ground at the time of a parachute drop

Drop. Zone (DZ): A specified area upon which airborne troops, equipment, or supplies are air dropped

Electrome Intelligence (ELIND): The intelligence information product resulting from the collection and processing, for subsequent intelligence purposes, of foreign monicommunications electromagnetic radiations cananting from other than atomic detonations or radioactive sources.

Ensigher, To convert plain text into ununtelligible form by means of a cipher system.

Encode: 1 That section of a code book in which the plan text equivalents of the code groups are in alphabetical, numerical, or other systematic order 2. To convert plain text into unintelligible form by means of a code system.

Encrypt. To convert plan text into unintelligible form by means of a crypto system

Espionage. Actions directed toward the acquisition of information through clandestine operations

Exader: Any person who has become isolated in hostile or unfriendly territory who eludes capture

Evasion and Escape (E&E). The procedures and operations whereby military personnel and other selected individuals are enabled to emerge from an enemy-held or hostile area to areas under frendly control.

Evasion and Escape Net: The organization within enemy hold or hostila areas thet operates to receive, move, and exfiltrate military personnel or selected individuals to finendly control

Evasion and Escape Route. A course of travel, preplanned or not, which an escapee or evader uses in his attempt to depart anemy territory in order to return to friendly lines

Even and Operating Base (FOB). In success-emitonal workers, p how unsulty located in finandly terretory or affect which is established to extend command and centrol or communications or to provide support for transing and tatestal operations feedbles are unsulty temporary and may include an artificid or an unsupport of instrutemporary in any suchedes an artificid or an unsupport distribution smaller unst which is supported by a man operating base

Eornign Internal Defense. Participation by enviltan and military agencies of a government in any of the action programs taken by another government to free and protect its society from subversion, lawlessness, and insurgency (JCS Pub 1).

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Guernila Warfare, Military and paramilitary operations conducted in enemy held or hostile territory by arregular, predominantly indigenous forces (JCS Pub 1).

Harassment. An incident in which the primary objective is to desrupt the activities of a unit, installation, or ship rather than to inflict serious casualties or demage.

Human Intelligence (Humani): A category of intelligence derived from information collected and provided by human sources

Insurgency, An organized movement agned at the overthrow of a constituted government through use of subversion and armed conflict (JCS Pub 1).

inditization, 1. The movement shough or time an area or territory computed by sinther french or enserve through orego area parameters area determined or an enserve the sinther area of the sinther entered or an engined merical sinther and a source term with the entered or integration area and and 2. In trialingnees assay, tunah, involve entoring a format error should a subdifficult of the sinther and the sinther and the sinther of infiltration are black (simple documents and the filtration and the sinther promote under filtration accounts of a source room of the sinther sinther and the source and the source sinther and the sinther promote under filtration are black (simple documents and the sinther sinther sinther source sinther and the source sinther sinther sinther sinther sinther source sinther sinther sinther sinther sinther sinther sinther sinther source sinther sinther sinther sinther sinther sinther sinther sinther source sinther sinther sinther sinther sinther sinther sinther sinther source sinther sinther sinther sinther sinther sinther sinther sinther source sinther sinther sinther sinther sinther sinther sinther sinther source sinther source sinther si

Interdiction, Preventing or hindering by any means, enemy use of an area or route

Intelligence. The product from the collection, processing, integration, analysis, evaluation and interpretation of available information concerning foreign countries or areas (JCS Pub 1)

Logistics: The science of planning and currying out the movement and maintenance of forces. It incorporates supply and services, maintenance, transportation, atmunition, construction, and medical services (modified JCS Pub 1).

## GLOSSARY OF NAVAL SPECIAL WARFARE TERMS

Lon-Interstit, Conflict. A lumited polenco-multitary entraggle to achieve political social economic, or sprechological dispective at 10 often politicated and mages from diplomatic, economic, and per-chosed apresentist benefitied to a geographic area and a fine characterized by constrained to a geographic area and a fine characterized by constrained to a fine dispective and level of violence. Also called LIC (approved definition for ICS Pub 1)

Marker, A visual or electronic and used to mark a designated point

Marking Panel, A sheet of maternal displayed by ground troops for visual signaling to friendly ameraft.

Measuring. A system of receiving radio beacon signals and rebroadcasting them on the same frequency to confuse navigation. The measoning stations cause insecurate bearings to be obtained by aiteraft or ground stations

Multure Assustance Advance, Group, A point serves group, normally under the multury command of a commander of a unified command and representing the Secretary of Defense, which prmarily administers the US multury assistance planning and programming in the boat country. Also called MAAG (ICS Pub 1)

Milling, Chick Action: The use of prepondernally indigenous mulitary forces on projects seteful to for local population at all test in such fields as education, traumag, public works, agriculture, tranportation, communications health, analisation, and others contributing to economic and social development, which would also serve to improve the standing of the military forces with the population. (US forces may at takes advice or cargage in military civic actions in overseas areas). (CS Pob 1)

Net, Chan, Cell System: Patterne of clandestine organization, especially for operational purposes <u>Net</u>iss the broadest of the three; it usually involves (a) a succession of echelons and (b) such functional specialists are any be required to accompilish its mission When it consists langely or entitely of non-staff employees, it may

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be called an agent set Chang focuses steenone upon the first of these elements, it is commonly defined as a series of agents and informants who recores matricentions from and pass informations to a principal agent by means of calculate and country. Call Lastien is principal agent by means of calculate and country is call forture to the grouping of perconnel into small unst that are relatevely, totalest deliveron and the interest of maximum seems? for the organization on a whole, each call this consist who here is of the organization on its whole, each call do not incoto and angle intender of the call Others in the call do not incoto and angle intender of the call Others in the definition or samitime of other calls.

Not Authentication. An authentication procedure by which a net control station authenticates itself and all other stations in the new system pystematically establishing their validity.

Overt Operation. The collection of intelligence openly, within concealment Operations which are planned and executed without attempting to conceal the operation or identity of the sponsoring power

Paramilitary Forces, Forces or groups which are distinct from the regular armed forces of any country, but resembling them in organization, equipment, trainag, or mission (JCS Pub 1)

Peacetime Contingency Operations: Politically sensitive military operations normally characterized by the short term rand projection or employment of forces in conditions short of conventional war (e.g., strike, raid, rescue, recovery, demonstration, show of force, unconventional warfare and intelligence operations) (TRA-DOC Pam 325-44)

Propaganda: Any form of communication in support of national objectives designed to influence the opinions, emotions, attitudes, or behavior of any group in order to benefit the sponsor, either directly or indirectly (JCS Pub 1).

#### GLOSSARY OF NAVAL SPECIAL WARFARE TERMS

Radar Beacon. A receiver-transmitter combination which sends out a coded signal when triggered by the proper type of pulse enabling determination of range and bearing information by the interrogeting station or aircraft.

Raid. An operation, usually soull-scale, involving a swift penetration of hostile territory to secure information, confuse the enemy, or destroy his installabous. It ends with a planned withdrawal upon complotion of the assigned mission

Recovery. Site. An area within or outside a SAFE (E&E) area from which an evader/escapee can be evacuated. The area is selected for its accessibility by ground, sea, or airborne recovery personnel.

Sabolage. An act with an intern to injure, interfere with, or obstruct the national defones of a country by willfully injuring or dostroying, or extempting to injure or distriby, any national doferine or war material, premises, or utilities to include human and natural resources.

SAFE Area. A designated area in hostile territory which offers the evader or occepte a reasonable chance of avoiding capture and of surviving until ho can be evacuated

Search and Rescue. The use of aircraft surface craft, submarines, specialized rescue teams and equipment to search for and rescue personnel in distress on land or at sea

Sensitive: Requiring special protection from disclosure which could cause embarrassment, compromise, or threat to the security of the sponsoring power. May be applied to an agency, installation, person, position, document, material, or activity

Sensitive Area, Specific location which has become a center of activity of intolligence interest Signal Panel, Strip of cloth used in sending code signals between ground and averaft in flight.

Special Activities. Means activities conducted alread in support of nanonal forcing poles (, scjectures, which are designed to further official United States programs and poletes alreads and which are planned and executed to this the root of the United States government is not apparent or acknowledged publicly, and functions in support of such activities, but not including diplomatine activity or the collection and production of mellingence or related support functions.

Special (or Project) Equipment, Equipment not authorized in standard equipment publications but determined as essential in connection with a contemplated operation, function, or musion

Special Forces Operational Bases (SFOB): In success memoral verfree, a provisional organization wheth is established within a friendly use by elements of a Special Forces group to providnormand, elementation, trausane, Bostiela Jupport, and intelligenes for operational Special Forces descharents and such other Forces as my by blaced under that corresting and the special CINCAAC adds "The SFOB shap movides logistical support for majdences UK forces passoned by buok destachments" The Commander, SFOB will normally be the Amy component commander of the UVTF if or An one SFOB is unlosed ")

Special Operations. Operations conducted by specially trancel, equipped and organized DOD forces significant strategies or taking targets in particul of national mittakery, political, economic, or pixchological objectives. These operations may be conducted during periods of paces or hostifutes. They may support conventional operations or they may be protected independently, when the use of consisting afforces is either manaporparise or infraablo

Strategic Intelligence: Intelligence that is required for the formation of policy and military plans at national and international levels

### GLOSSARY OF NAVAL SPECIAL WARFARE TERMS

Strategic intelligence and tactual intelligence differ primarily in level of application but may also vary in terms of scope and detail (JCS Pub 1)

Tactual Intelligence, intelligence which is required for the planning and conduct of factural operations. Tactual intelligence and strategic intelligence differ primarily in level of application but may also vary in terms of iscope and detail (JCS Pub 1).

<u>Intget</u>, I A geographical area, complex, or installation planned for capture or destruction by military forces. 2 In intelligence usage, a country, area, installation, agency, or person against which intelligence operations are directed

Target Acquisition, The detection, identification, and location of a target in sufficient detail to permit the effective employment of weapons.

Target Folders. The folders containing target intelligence and related materials prepared for planning and executing action against a specific target

Intronament, The unlawful use or threatened use of force or violence against individuals or property to coerce or mimidate governments or societies, often to achieve political, religious, or ideological objectives

Theater: The geographical area outside continental United States for which a commander of a unified or specified command has been assigned military responsibility.

Transponder. A transmitter-receiver capable of accepting the electrons challenge of an microgator and automatically transmitting an appropriate reply

<u>Unconventional Warfare</u>, A broad spectrum of military and paramilitary operations conducted in enemy, enemy held, enemy controlled, or politically sensitive territory. Unconventional warfare includes, but is not immited to, the suscerelated fields of guerrilla

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w trfare, evasion and escape, subversion, subotage, and other operations of a low visibility: cover, or clandestine nature. These intervelated aspects of unconventional warfare may be prosecuted singly or collectively by predominantly indigenous personnel, usually supported and directed in various degrees by (an) eviernal source(s) during all conditions of war or pace.